

APPENDIX B

Air Quality Nonattainment Area Results

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.12	0.17	0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.25	0.34	0.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.26	0.35	0.11
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	76.92	105.89	32.33
Albuquerque, NM	CO	Maintenance	100	-	35.65	49.07	15.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	8.58	11.81	3.61
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	35.70	49.15	14.92
Altoona, PA	Ozone	Maintenance	100	-	6.30	8.68	2.65
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	9.27	12.76	3.90
Anchorage, AK	CO	Maintenance	100	-	8.34	11.48	3.51
Anthony, NM	PM ₁₀	Moderate	100	-	0.46	0.63	0.19
Armstrong County, PA	SO _x	Nonattainment	100	-	0.30	0.41	0.12
Aspen, CO	PM ₁₀	Maintenance	100	-	0.42	0.57	0.18
Atlanta, GA	Ozone	Moderate	50	-	397.03	546.60	166.98
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	397.27	546.93	167.08
Atlantic City, NJ	CO	Maintenance	100	-	3.14	4.32	1.32
Bakersfield, CA	CO	Maintenance	100	-	25.43	34.96	9.71
Baltimore, MD	CO	Maintenance	100	-	0.61	0.84	0.24
Baltimore, MD	Ozone	Moderate	50	-	178.23	245.36	74.54
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	178.23	245.35	74.54
Baton Rouge, LA	Ozone	Moderate	50	-	-21.93	-35.46	-115.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-31.44	-47.80	-104.53
Benton County, TN	SO _x	Maintenance	100	-	0.07	0.10	0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	11.20	15.42	4.71
Benzie County, MI	Ozone	Maintenance	100	-	1.32	1.82	0.56
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	8.75	12.04	3.68
Billings, MT	CO	Maintenance	100	-	-6.77	-10.23	-21.13
Birmingham, AL	Ozone	Maintenance	100	-	61.43	84.54	25.11

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Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	61.63	84.81	25.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	19.16	26.37	7.82
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	19.16	26.37	7.82
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.97	1.34	0.41
Boston, MA	CO	Maintenance	100	-	51.79	71.30	21.82
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	307.66	423.57	129.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	38.80	53.42	16.34
Boyd County (part), KY	SO _x	Maintenance	100	-	0.60	0.83	0.25
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	70.20	96.65	29.57
Burlington, NJ	CO	Maintenance	100	-	0.52	0.71	0.22
Butte, MT	PM ₁₀	Moderate	100	-	1.31	1.80	0.55
Canon City, CO	PM ₁₀	Maintenance	100	-	1.14	1.57	0.48
Canton-Massillon, OH	Ozone	Maintenance	100	-	15.23	20.74	1.80
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	15.23	20.74	1.80
Case County, MI	Ozone	Maintenance	100	-	2.66	3.66	1.12
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.04	0.06	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.40	0.55	0.17
Charleston, WV	Ozone	Maintenance	100	-	17.15	23.61	7.23
Charleston, WV	PM _{2.5}	Nonattainment	100	-	17.15	23.61	7.23
Charlotte, NC	CO	Maintenance	100	-	43.55	59.96	18.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	97.86	134.73	41.22
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	33.24	45.76	13.99
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	30.17	41.53	12.70
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	338.33	458.96	4.32
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	352.76	478.82	10.40
Chico, CA	CO	Maintenance	100	-	6.15	8.46	2.59
Chico, CA	Ozone	Former Subpart 1	50	-	14.38	19.80	6.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	118.82	163.58	50.05

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Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	115.42	158.90	48.62
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.87	1.20	0.36
Clark County, NV	PM ₁₀	Serious	70	-	87.22	120.08	36.74
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	15.43	21.24	6.50
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	10.97	15.11	4.62
Cleveland, OH	CO	Maintenance	100	-	58.26	80.21	24.54
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	156.96	216.09	66.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	144.94	199.54	61.05
Coachella Valley, CA	PM ₁₀	Serious	70	-	36.51	50.27	15.38
Colbert County, AL	SO _x	Maintenance	100	-	3.72	5.12	1.57
Colorado Springs, CO	CO	Maintenance	100	-	34.24	47.10	13.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.32	0.44	0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	39.25	54.04	16.54
Columbus, OH	Ozone	Maintenance	100	-	99.43	136.89	41.89
Columbus, OH	PM _{2.5}	Nonattainment	100	-	92.15	126.86	38.82
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.20	0.28	0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	58.26	80.21	24.54
Cuyahoga County, OH	SO _x	Maintenance	100	-	47.47	65.35	20.00
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	409.25	563.41	171.82
Dayton-Springfield, OH	Ozone	Maintenance	100	-	51.26	70.57	21.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	45.36	62.44	19.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	169.77	233.21	61.01
Denver-Boulder, CO	CO	Maintenance	100	-	162.12	222.68	57.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	205.92	282.98	76.21
Detroit, MI	CO	Maintenance	100	-	95.98	131.93	36.33
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	276.40	380.28	111.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	271.22	373.14	108.93

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	2.19	3.02	0.92
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.15	2.96	0.91
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.69	2.33	0.71
Duluth, MN	CO	Maintenance	100	-	5.02	6.91	2.12
Eagle River, AK	PM ₁₀	Moderate	100	-	0.50	0.69	0.21
East Chicago, IN	CO	Maintenance	100	-	0.07	0.09	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-30.37	-45.29	-83.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.06	0.08	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	25.61	34.99	5.25
El Paso, TX	CO	Maintenance	100	-	1.89	2.60	0.79
Erie, PA	Ozone	Maintenance	100	-	13.95	19.21	5.88
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.09	0.13	0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	13.78	18.97	5.80
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	13.16	18.12	5.54
Evansville, IN	Ozone	Maintenance	100	-	15.37	21.17	6.48
Evansville, IN	PM _{2.5}	Nonattainment	100	-	19.82	27.28	8.35
Fairbanks, AK	CO	Maintenance	100	-	1.02	1.40	0.43
Fayetteville, NC	Ozone	Former Subpart 1	50	-	17.81	24.53	7.50
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.42	0.58	0.18
Flint, MI	Ozone	Maintenance	100	-	31.66	43.59	13.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.07	0.10	0.03
Fort Collins, CO	CO	Maintenance	100	-	10.33	14.23	4.35
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.05	0.06	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	22.02	30.31	9.27
Franklin County, PA	Ozone	Maintenance	100	-	9.11	12.55	3.84
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.05	0.06	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	7.87	10.83	3.32
Fredericksburg, VA	Ozone	Maintenance	100	-	24.17	33.28	10.18

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.01	1.38	0.42
Fresno, CA	CO	Maintenance	100	-	34.60	47.64	14.46
Grand Rapids, MI	Ozone	Maintenance	100	-	48.31	66.51	20.35
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.52	3.47	1.06
Grant County, NM	SO _x	Maintenance	100	-	0.17	0.23	0.07
Grants Pass, OR	CO	Maintenance	100	-	0.03	0.04	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.93	2.65	0.81
Great Falls, MT	CO	Maintenance	100	-	1.22	1.68	0.52
Greater Connecticut, CT	Ozone	Moderate	50	-	100.09	137.79	42.02
Greeley, CO	CO	Maintenance	100	-	7.32	10.07	3.08
Green Bay, WI	SO _x	Maintenance	100	-	7.37	10.14	3.10
Greene County, IN	Ozone	Maintenance	100	-	2.94	4.04	1.24
Greene County, PA	Ozone	Maintenance	100	-	2.78	3.82	1.17
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	98.34	135.37	41.24
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	48.73	67.07	20.34
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	54.71	75.31	22.85
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.37	1.88	0.58
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	6.92	9.53	2.92
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	50.99	70.19	21.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	47.08	64.82	19.77
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	65.00	89.48	27.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.59	0.81	0.25
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.28	3.15	0.96
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.30	0.41	0.13
Hazelwood, PA	SO _x	Maintenance	100	-	2.44	3.37	1.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	10.94	15.06	4.61
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	17.91	24.66	7.54
Hollis Township, IL	SO _x	Maintenance	100	-	0.15	0.20	0.06

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	244.24	328.85	-46.91
Humphreys County, TN	SO _x	Maintenance	100	-	0.17	0.23	0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-23.76	-36.14	-79.40
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-32.19	-47.75	-82.96
Huron County, MI	Ozone	Maintenance	100	-	1.74	2.40	0.73
Imperial County, CA	Ozone	Moderate	50	-	12.76	17.57	5.38
Imperial Valley, CA	PM ₁₀	Serious	70	-	12.47	17.17	5.25
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.04	2.81	0.86
Indianapolis, IN	CO	Maintenance	100	-	0.06	0.09	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	119.69	164.78	50.42
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	94.79	130.50	39.93
Jackson County, IN	Ozone	Maintenance	100	-	4.82	6.64	2.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	9.44	13.00	3.98
Jefferson County, NY	Ozone	Moderate	50	-	7.49	10.31	3.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.49	0.67	0.20
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	13.25	18.24	5.58
Johnstown, PA	Ozone	Maintenance	100	-	6.40	8.81	2.70
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	7.01	9.65	2.95
Juneau, AK	PM ₁₀	Moderate	100	-	0.62	0.86	0.26
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	30.69	42.25	12.93
Kalispell, MT	PM ₁₀	Moderate	100	-	1.72	2.37	0.73
Kansas City, MO-KS	Ozone	Maintenance	100	-	99.03	136.31	41.11
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	8.54	11.76	3.60
Kent, WA	PM ₁₀	Maintenance	100	-	1.47	2.02	0.62
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	5.00	6.88	2.11
Kewaunee County, WI	Ozone	Maintenance	100	-	1.50	2.07	0.63
King County, WA	PM ₁₀	Maintenance	100	-	0.61	0.84	0.26
Klamath Falls, OR	CO	Maintenance	100	-	3.02	4.16	1.27

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.02	4.16	1.27
Knoxville, TN	Ozone	Former Subpart 1	50	-	70.11	96.52	29.53
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	54.54	75.09	22.98
La Porte County, IN	SO _x	Maintenance	100	-	2.14	2.95	0.90
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.91	1.25	0.38
Lake County, IN	SO _x	Maintenance	100	-	18.57	25.56	7.63
Lake County, OH	SO _x	Maintenance	100	-	2.18	3.00	0.92
Lake County, OR	PM ₁₀	Maintenance	100	-	0.37	0.51	0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.63	2.25	0.69
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	3.48	4.78	1.46
Lake Tahoe, NV	CO	Maintenance	100	-	1.22	1.68	0.51
Lamar, CO	PM ₁₀	Maintenance	100	-	0.54	0.75	0.23
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.09	0.12	0.04
Lancaster, PA	Ozone	Maintenance	100	-	27.01	37.18	11.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	27.01	37.18	11.30
Lane County, OR	PM ₁₀	Moderate	100	-	0.09	0.12	0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	28.82	39.68	12.14
LaPorte, IN	Ozone	Maintenance	100	-	6.01	8.27	2.53
Las Vegas, NV	CO	Serious	100	-	87.22	120.08	36.74
Las Vegas, NV	Ozone	Former Subpart 1	50	-	88.59	121.96	37.32
Lauderdale County, AL	SO _x	Maintenance	100	-	5.40	7.43	2.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.11	0.14	0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.27	0.37	0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.36	0.50	0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.87	1.20	0.36
Lima, OH	Ozone	Maintenance	100	-	-1.16	-2.24	-13.29
Longmont, CO	CO	Maintenance	100	-	5.34	7.35	2.25
Lorain County, OH	SO _x	Maintenance	100	-	2.77	3.82	1.17

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	838.36	1,148.79	243.47
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	838.36	1,148.79	243.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	838.36	1,148.79	243.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	838.37	1,148.80	243.47
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	838.32	1,148.73	243.45
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	40.83	56.21	17.20
Louisville, KY-IN	Ozone	Maintenance	100	-	68.68	94.55	28.93
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	66.63	91.74	28.07
Lowell, MA	CO	Maintenance	100	-	6.78	9.33	2.86
Lucas County, OH	SO _x	Maintenance	100	-	18.41	25.35	7.76
Lyons Township, IL	PM ₁₀	Maintenance	100	-	3.82	5.26	1.61
Macon, GA	Ozone	Maintenance	100	-	12.96	17.85	5.46
Macon, GA	PM _{2.5}	Nonattainment	100	-	12.83	17.67	5.41
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.18	0.25	0.08
Madison, WI	SO _x	Maintenance	100	-	14.35	19.75	6.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.53	0.72	0.22
Manchester, NH	CO	Maintenance	100	-	4.76	6.55	2.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	6.20	8.53	2.61
Marion County, IN	SO _x	Maintenance	100	-	19.22	26.46	8.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	6.43	8.85	2.71
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	19.25	26.50	8.11
Mason County, MI	Ozone	Maintenance	100	-	1.58	2.18	0.67
Medford, OR	CO	Maintenance	100	-	4.54	6.25	1.91
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	10.81	14.88	4.55
Memphis, TN-AR	Ozone	Maintenance	100	-	57.61	79.02	18.22
Memphis, TN	CO	Maintenance	100	-	52.61	72.14	16.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.72	2.37	0.73

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.33	0.45	0.13
Milwaukee, WI	SO _x	Maintenance	100	-	32.43	44.65	13.66
Milwaukee-Racine, WI	Ozone	Moderate	50	-	107.12	147.48	45.12
Minneapolis-St Paul, MN	CO	Maintenance	100	-	77.76	99.41	-121.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	167.11	230.04	69.82
Missoula, MT	CO	Maintenance	100	-	3.50	4.80	1.19
Missoula, MT	PM ₁₀	Moderate	100	-	3.39	4.65	1.15
Modesto, CA	CO	Maintenance	100	-	17.77	24.46	7.48
Mohave County, AZ	PM ₁₀	Maintenance	100	-	5.96	8.21	2.51
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.08	0.11	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.20	0.28	0.09
Morristown, NJ	CO	Maintenance	100	-	1.91	2.62	0.80
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.79	2.46	0.75
Muncie, IN	Ozone	Maintenance	100	-	7.23	9.96	3.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.26	0.36	0.11
Muscatine County, IA	SO _x	Maintenance	100	-	0.91	1.26	0.38
Muskegon, MI	Ozone	Maintenance	100	-	7.79	10.72	3.27
Nashua, NH	CO	Maintenance	100	-	3.79	5.21	1.60
Nashville, TN	Ozone	Former Subpart 1	50	-	97.28	133.92	40.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	7.84	10.79	3.30
New Haven County, CT	PM ₁₀	Maintenance	100	-	8.21	11.31	3.46
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	47.99	66.07	20.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.37	0.51	0.16
New York County, NY	PM ₁₀	Moderate	100	-	28.21	38.84	11.88
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	471.95	649.45	192.79
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	892.53	1,228.35	366.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	885.05	1,218.05	363.79
Nogales, AZ	PM ₁₀	Moderate	100	-	2.44	3.36	1.03

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-185.61	-278.30	-538.24
Ogden, UT	CO	Maintenance	100	-	4.29	5.90	1.81
Ogden, UT	PM ₁₀	Moderate	100	-	4.29	5.90	1.81
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.15	0.21	0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.30	1.79	0.55
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	6.29	8.66	2.65
Owens Valley, CA	PM ₁₀	Serious	70	-	0.22	0.31	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	8.88	12.22	3.74
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	8.94	12.30	3.76
Payson, AZ	PM ₁₀	Maintenance	100	-	1.15	1.59	0.49
Penns Grove, NJ	CO	Maintenance	100	-	0.03	0.04	0.01
Peoria, IL	SO _x	Maintenance	100	-	6.13	8.44	2.56
Perth Amboy, NJ	CO	Maintenance	100	-	2.77	3.66	-1.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	24.21	33.33	10.20
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	216.85	294.29	5.16
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	342.45	467.20	57.99
Phoenix, AZ	CO	Maintenance	100	-	264.35	363.93	111.18
Phoenix, AZ	PM ₁₀	Serious	70	-	272.74	375.48	114.71
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	273.72	376.83	115.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.66	0.90	0.28
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.08	0.12	0.04
Pittsburgh, PA	CO	Maintenance	100	-	1.36	1.87	0.57
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	122.38	168.48	51.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	111.82	153.94	46.95
Polk County, TN	SO _x	Maintenance	100	-	1.28	1.76	0.54
Polson, MT	PM ₁₀	Moderate	100	-	0.17	0.24	0.07
Portland, ME	Ozone	Maintenance	100	-	33.54	46.15	13.64

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	69.96	96.30	29.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	2.68	3.68	1.13
Poughkeepsie, NY	Ozone	Moderate	50	-	79.91	110.02	33.66
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.57	0.79	0.24
Providence (entire State), RI	Ozone	Moderate	50	-	58.59	80.64	24.07
Provo, UT	CO	Maintenance	100	-	9.51	13.10	4.01
Raleigh-Durham, NC	CO	Maintenance	100	-	76.81	105.74	32.25
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	104.88	144.39	44.07
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.12	0.16	0.05
Reading, PA	Ozone	Maintenance	100	-	20.19	27.80	8.51
Reading, PA	PM _{2.5}	Nonattainment	100	-	20.19	27.80	8.51
Reno, NV	CO	Maintenance	100	-	14.73	20.27	6.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.05	0.08	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	73.95	101.81	31.00
Rillito, AZ	PM ₁₀	Moderate	100	-	2.81	3.88	1.19
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	36.51	50.27	15.38
Roanoke, VA	Ozone	Former Subpart 1	50	-	16.02	22.05	6.75
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	4.79	6.59	2.02
Rochester, NY	Ozone	Former Subpart 1	50	-	81.06	111.60	34.15
Rocky Mount, NC	Ozone	Maintenance	100	-	11.36	15.64	4.79
Rome, GA	PM _{2.5}	Nonattainment	100	-	7.30	10.05	3.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.07	0.09	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.15	0.21	0.07
Sacramento County, CA	PM ₁₀	Moderate	100	-	86.04	118.46	36.25
Sacramento Metro, CA	Ozone	Severe	25	-	152.88	210.44	63.61
Sacramento, CA	CO	Maintenance	100	-	95.58	131.58	40.17
Salem, OR	CO	Maintenance	100	-	7.97	10.98	3.36
Salt Lake City, UT	CO	Maintenance	100	-	11.60	15.88	3.13

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	60.51	83.22	23.73
Salt Lake County, UT	SO _x	Nonattainment	100	-	61.59	84.79	25.94
San Antonio, TX	Ozone	Former Subpart 1	50	-	110.49	152.11	46.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	25.29	34.82	10.65
San Diego, CA	CO	Maintenance	100	-	241.13	331.98	101.58
San Diego, CA	Ozone	Former Subpart 1	50	-	241.58	332.59	101.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	362.63	498.05	128.41
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	413.59	568.20	149.87
San Joaquin Valley, CA	Ozone	Extreme	10	-	262.04	360.71	109.20
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	263.26	362.38	109.71
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	262.04	360.71	109.20
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.96	2.70	0.82
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	40.53	55.80	17.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	177.37	244.20	74.72
Sheboygan, WI	Ozone	Moderate	50	-	7.11	9.79	2.99
Sheridan, WY	PM ₁₀	Moderate	100	-	1.33	1.83	0.56
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.04	1.43	0.44
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	27.35	37.65	11.49
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	11.02	15.18	4.64
Spokane County, WA	PM ₁₀	Maintenance	100	-	17.65	24.29	7.43
Spokane, WA	CO	Maintenance	100	-	17.47	24.05	7.36
Springfield (western MA), MA	Ozone	Moderate	50	-	53.90	74.20	22.45
Springfield, MA	CO	Maintenance	100	-	8.59	11.82	3.52
St. Louis, MO	CO	Maintenance	100	-	57.46	79.11	24.21
St. Louis, MO-IL	Ozone	Moderate	50	-	165.77	226.98	44.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	164.58	225.34	44.26

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	10.13	13.94	4.27
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.05	1.44	0.44
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.65	3.65	1.12
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	5.16	7.03	0.85
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	5.16	7.03	0.85
Stockton, CA	CO	Maintenance	100	-	26.79	36.88	11.28
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	31.40	43.23	13.23
Telluride, CO	PM ₁₀	Maintenance	100	-	0.08	0.11	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	8.19	11.28	3.45
Tioga County, PA	Ozone	Maintenance	100	-	3.48	4.79	1.46
Toledo, OH	Ozone	Maintenance	100	-	10.88	13.14	-32.61
Toms River, NJ	CO	Maintenance	100	-	5.82	8.01	2.45
Tooele County, UT	SO _x	Nonattainment	100	-	6.03	8.30	2.54
Trenton, NJ	CO	Maintenance	100	-	5.33	7.34	2.24
Trona, CA	PM ₁₀	Moderate	100	-	0.18	0.25	0.08
Tucson, AZ	CO	Maintenance	100	-	58.64	80.74	24.70
Utah County, UT	PM ₁₀	Moderate	100	-	28.60	39.38	12.05
Vancouver, WA	CO	Maintenance	100	-	18.06	24.86	7.61
Ventura County, CA	Ozone	Serious	50	-	48.27	66.43	19.72
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.44	0.61	0.19
Vigo County, IN	SO _x	Maintenance	100	-	8.19	11.28	3.45
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	3.43	4.72	1.44
Warren County, NJ	SO _x	Maintenance	100	-	2.15	2.96	0.91
Warren County, PA	SO _x	Nonattainment	100	-	0.86	1.19	0.33
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	12.91	17.77	5.44
Washington, DC-MD-VA	CO	Maintenance	100	-	94.24	129.75	39.70

Appendix B

**Table B.1-1
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	319.65	440.07	134.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	313.14	431.11	131.91
Washoe County, NV	PM ₁₀	Serious	70	-	14.73	20.27	6.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.25	0.34	0.11
Wayne County, IN	SO _x	Maintenance	100	-	4.48	6.17	1.89
Wayne County, MI	PM ₁₀	Maintenance	100	-	2.68	3.55	-1.59
Weirton, WV	PM ₁₀	Maintenance	100	-	0.61	0.84	0.26
Weirton, WV	SO _x	Maintenance	100	-	0.80	1.10	0.34
Wheeling, WV-OH	Ozone	Maintenance	100	-	9.32	12.83	3.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	9.32	12.83	3.93
Winston-Salem, NC	CO	Maintenance	100	-	24.72	34.03	10.41
Worcester, MA	CO	Maintenance	100	-	12.87	17.72	5.42
Yakima County, WA	PM ₁₀	Maintenance	100	-	5.57	7.67	2.35
Yakima, WA	CO	Maintenance	100	-	2.22	3.06	0.94
York, PA	Ozone	Maintenance	100	-	26.55	36.55	11.18
York, PA	PM _{2.5}	Nonattainment	100	-	20.67	28.46	8.71
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	39.55	54.46	16.66
Yuma, AZ	PM ₁₀	Moderate	100	-	10.86	14.95	4.57

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.28	0.42	-1.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.59	0.87	-2.57
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.61	0.91	-2.67
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	183.30	271.66	-799.97
Albuquerque, NM	CO	Maintenance	100	-	84.54	125.29	-368.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	20.89	30.97	-91.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	84.94	125.88	-370.99
Altoona, PA	Ozone	Maintenance	100	-	14.61	21.65	-63.75
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	23.85	35.35	-104.05
Anchorage, AK	CO	Maintenance	100	-	20.39	30.21	-88.95
Anthony, NM	PM ₁₀	Moderate	100	-	1.08	1.60	-4.70
Armstrong County, PA	SO _x	Nonattainment	100	-	0.70	1.04	-3.07
Aspen, CO	PM ₁₀	Maintenance	100	-	1.01	1.50	-4.40
Atlanta, GA	Ozone	Moderate	50	-	960.74	1,423.90	-4,192.70
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	961.27	1,424.69	-4,195.02
Atlantic City, NJ	CO	Maintenance	100	-	7.37	10.93	-32.16
Bakersfield, CA	CO	Maintenance	100	-	62.17	92.08	-274.74
Baltimore, MD	CO	Maintenance	100	-	1.43	2.12	-6.31
Baltimore, MD	Ozone	Moderate	50	-	428.31	634.77	-1,870.63
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	428.30	634.76	-1,870.60
Baton Rouge, LA	Ozone	Moderate	50	-	-27.94	-47.90	-249.55
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-54.91	-86.96	-79.18
Benton County, TN	SO _x	Maintenance	100	-	0.17	0.25	-0.72
Benton Harbor, MI	Ozone	Maintenance	100	-	25.82	38.27	-112.70
Benzie County, MI	Ozone	Maintenance	100	-	3.28	4.87	-14.33
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	21.05	31.19	-91.83
Billings, MT	CO	Maintenance	100	-	-11.99	-18.88	-11.53
Birmingham, AL	Ozone	Maintenance	100	-	144.48	214.08	-633.05

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	144.95	214.78	-635.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	46.34	68.67	-203.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	46.34	68.67	-203.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	2.39	3.55	-10.45
Boston, MA	CO	Maintenance	100	-	122.32	181.29	-533.67
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	732.46	1,085.59	-3,195.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	93.29	138.27	-407.03
Boyd County (part), KY	SO _x	Maintenance	100	-	1.39	2.07	-6.08
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	165.39	245.13	-721.62
Burlington, NJ	CO	Maintenance	100	-	1.18	1.75	-5.14
Butte, MT	PM ₁₀	Moderate	100	-	2.99	4.43	-13.04
Canon City, CO	PM ₁₀	Maintenance	100	-	2.79	4.14	-12.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	36.51	53.84	-175.42
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	36.51	53.84	-175.42
Case County, MI	Ozone	Maintenance	100	-	6.26	9.27	-27.30
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.10	0.15	-0.43
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.91	1.35	-3.98
Charleston, WV	Ozone	Maintenance	100	-	39.65	58.77	-173.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	39.65	58.77	-173.01
Charlotte, NC	CO	Maintenance	100	-	105.68	156.62	-461.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	236.31	350.24	-1,031.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	78.30	116.04	-341.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	71.28	105.65	-311.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	843.79	1,242.16	-4,164.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	878.30	1,293.30	-4,314.65
Chico, CA	CO	Maintenance	100	-	15.61	23.13	-68.09
Chico, CA	Ozone	Former Subpart 1	50	-	35.96	53.30	-156.90
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	282.74	419.04	-1,233.59

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	274.48	406.81	-1,197.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.99	2.95	-8.69
Clark County, NV	PM ₁₀	Serious	70	-	215.62	319.58	-940.78
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	37.24	55.19	-162.47
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	25.84	38.29	-112.72
Cleveland, OH	CO	Maintenance	100	-	134.10	198.75	-585.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	369.02	546.92	-1,610.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	340.26	504.30	-1,484.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	91.85	136.14	-400.77
Colbert County, AL	SO _x	Maintenance	100	-	8.55	12.67	-37.30
Colorado Springs, CO	CO	Maintenance	100	-	83.79	124.14	-368.54
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.79	1.17	-3.43
Columbia, SC	Ozone	Former Subpart 1	50	-	93.34	138.34	-407.25
Columbus, OH	Ozone	Maintenance	100	-	241.21	357.50	-1,052.42
Columbus, OH	PM _{2.5}	Nonattainment	100	-	223.73	331.60	-976.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.47	0.69	-2.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.05	0.08	-0.22
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	134.10	198.75	-585.10
Cuyahoga County, OH	SO _x	Maintenance	100	-	109.65	162.51	-478.41
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,000.07	1,482.17	-4,365.37
Dayton-Springfield, OH	Ozone	Maintenance	100	-	119.78	177.52	-522.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	105.86	156.90	-461.89
Denver Metro, CO	PM ₁₀	Maintenance	100	-	415.45	615.10	-1,849.31
Denver-Boulder, CO	CO	Maintenance	100	-	396.82	587.49	-1,768.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	503.48	745.57	-2,233.47
Detroit, MI	CO	Maintenance	100	-	222.85	330.03	-986.54
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	656.96	973.36	-2,884.93
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	644.63	955.09	-2,831.14

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	5.29	7.83	-23.06
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	5.07	7.52	-22.14
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	4.01	5.95	-17.51
Duluth, MN	CO	Maintenance	100	-	11.67	17.29	-50.91
Eagle River, AK	PM ₁₀	Moderate	100	-	1.23	1.82	-5.37
East Chicago, IN	CO	Maintenance	100	-	0.15	0.22	-0.66
East Chicago, IN	PM ₁₀	Maintenance	100	-	-56.75	-88.40	2.23
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.14	0.21	-0.63
El Paso County, TX	PM ₁₀	Moderate	100	-	62.90	92.88	-293.75
El Paso, TX	CO	Maintenance	100	-	4.49	6.65	-19.61
Erie, PA	Ozone	Maintenance	100	-	32.65	48.39	-142.45
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.22	0.33	-0.98
Eugene-Springfield, OR	CO	Maintenance	100	-	33.02	48.94	-144.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	31.56	46.77	-137.70
Evansville, IN	Ozone	Maintenance	100	-	36.32	53.83	-158.47
Evansville, IN	PM _{2.5}	Nonattainment	100	-	46.71	69.23	-203.79
Fairbanks, AK	CO	Maintenance	100	-	2.49	3.69	-10.86
Fayetteville, NC	Ozone	Former Subpart 1	50	-	42.30	62.70	-184.58
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.03	1.53	-4.49
Flint, MI	Ozone	Maintenance	100	-	74.44	110.33	-324.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.16	0.24	-0.71
Fort Collins, CO	CO	Maintenance	100	-	25.35	37.57	-110.61
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.10	0.15	-0.45
Fort Wayne, IN	Ozone	Maintenance	100	-	52.32	77.54	-228.26
Franklin County, PA	Ozone	Maintenance	100	-	21.82	32.35	-95.22
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.11	0.16	-0.47
Frederick County, VA	Ozone	Former Subpart 1	50	-	18.73	27.76	-81.71
Fredericksburg, VA	Ozone	Maintenance	100	-	59.55	88.26	-259.83

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	2.48	3.68	-10.83
Fresno, CA	CO	Maintenance	100	-	84.50	125.23	-369.06
Grand Rapids, MI	Ozone	Maintenance	100	-	116.45	172.60	-508.10
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	5.84	8.66	-25.50
Grant County, NM	SO _x	Maintenance	100	-	0.38	0.57	-1.67
Grants Pass, OR	CO	Maintenance	100	-	0.06	0.10	-0.28
Grants Pass, OR	PM ₁₀	Maintenance	100	-	4.72	6.99	-20.59
Great Falls, MT	CO	Maintenance	100	-	2.80	4.15	-12.21
Greater Connecticut, CT	Ozone	Moderate	50	-	235.48	349.00	-1,027.92
Greeley, CO	CO	Maintenance	100	-	17.68	26.21	-77.16
Green Bay, WI	SO _x	Maintenance	100	-	17.63	26.13	-76.94
Greene County, IN	Ozone	Maintenance	100	-	6.97	10.32	-30.39
Greene County, PA	Ozone	Maintenance	100	-	6.50	9.64	-28.38
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	232.46	344.52	-1,014.90
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	114.83	170.17	-501.65
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	128.36	190.23	-560.73
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	3.23	4.78	-14.08
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	16.50	24.45	-71.98
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	122.64	181.77	-535.32
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	113.21	167.78	-494.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	152.32	225.75	-665.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.44	2.13	-6.27
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	5.62	8.33	-24.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.71	1.05	-3.08
Hazelwood, PA	SO _x	Maintenance	100	-	5.75	8.52	-25.10
Hickory, NC	PM _{2.5}	Nonattainment	100	-	25.51	37.81	-111.32
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	42.03	62.29	-183.37
Hollis Township, IL	SO _x	Maintenance	100	-	0.34	0.51	-1.50

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	623.63	915.15	-3,244.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.39	0.58	-1.71
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-41.64	-65.95	-60.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-61.55	-95.46	26.24
Huron County, MI	Ozone	Maintenance	100	-	4.07	6.04	-17.77
Imperial County, CA	Ozone	Moderate	50	-	31.46	46.62	-137.25
Imperial Valley, CA	PM ₁₀	Serious	70	-	30.76	45.59	-134.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	4.80	7.12	-20.96
Indianapolis, IN	CO	Maintenance	100	-	0.14	0.21	-0.62
Indianapolis, IN	Ozone	Maintenance	100	-	287.46	426.04	-1,254.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	227.84	337.68	-994.08
Jackson County, IN	Ozone	Maintenance	100	-	11.35	16.83	-49.53
Jamestown, NY	Ozone	Former Subpart 1	50	-	22.24	32.96	-97.03
Jefferson County, NY	Ozone	Moderate	50	-	17.71	26.24	-77.26
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.11	1.64	-4.83
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	31.04	46.00	-135.43
Johnstown, PA	Ozone	Maintenance	100	-	14.47	21.44	-63.13
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	15.87	23.52	-69.23
Juneau, AK	PM ₁₀	Moderate	100	-	1.55	2.30	-6.76
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	72.30	107.16	-315.45
Kalispell, MT	PM ₁₀	Moderate	100	-	4.22	6.25	-18.40
Kansas City, MO-KS	Ozone	Maintenance	100	-	238.28	353.12	-1,041.76
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	20.58	30.50	-89.78
Kent, WA	PM ₁₀	Maintenance	100	-	3.59	5.32	-15.67
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	11.86	17.58	-51.74
Kewaunee County, WI	Ozone	Maintenance	100	-	3.53	5.23	-15.40
King County, WA	PM ₁₀	Maintenance	100	-	1.47	2.18	-6.42
Klamath Falls, OR	CO	Maintenance	100	-	7.08	10.49	-30.89

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	7.08	10.49	-30.89
Knoxville, TN	Ozone	Former Subpart 1	50	-	170.53	252.75	-744.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	131.96	195.58	-575.74
La Porte County, IN	SO _x	Maintenance	100	-	4.97	7.37	-21.69
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.15	3.19	-9.38
Lake County, IN	SO _x	Maintenance	100	-	43.32	64.20	-189.71
Lake County, OH	SO _x	Maintenance	100	-	5.11	7.58	-22.31
Lake County, OR	PM ₁₀	Maintenance	100	-	0.87	1.29	-3.80
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	4.22	6.25	-18.41
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	9.02	13.37	-39.35
Lake Tahoe, NV	CO	Maintenance	100	-	2.90	4.29	-12.64
Lamar, CO	PM ₁₀	Maintenance	100	-	1.27	1.88	-5.53
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.20	0.30	-0.89
Lancaster, PA	Ozone	Maintenance	100	-	64.50	95.59	-281.71
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	64.50	95.59	-281.71
Lane County, OR	PM ₁₀	Moderate	100	-	0.21	0.31	-0.90
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	68.35	101.30	-298.21
LaPorte, IN	Ozone	Maintenance	100	-	13.92	20.62	-60.71
Las Vegas, NV	CO	Serious	100	-	215.62	319.58	-940.78
Las Vegas, NV	Ozone	Former Subpart 1	50	-	218.81	324.29	-954.66
Lauderdale County, AL	SO _x	Maintenance	100	-	12.59	18.65	-54.91
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.25	0.37	-1.08
Libby, MT	PM ₁₀	Moderate	100	-	0.63	0.93	-2.74
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.84	1.24	-3.65
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.99	2.95	-8.69
Lima, OH	Ozone	Maintenance	100	-	-0.10	-0.93	-44.23
Longmont, CO	CO	Maintenance	100	-	13.10	19.41	-57.14
Lorain County, OH	SO _x	Maintenance	100	-	6.58	9.75	-28.71

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2,055.72	3,040.11	-9,352.23
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2,055.72	3,040.11	-9,352.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2,055.72	3,040.11	-9,352.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2,055.75	3,040.15	-9,352.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2,055.62	3,039.95	-9,351.76
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	99.20	147.02	-432.79
Louisville, KY-IN	Ozone	Maintenance	100	-	161.68	239.63	-705.43
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	156.41	231.82	-682.42
Lowell, MA	CO	Maintenance	100	-	16.27	24.12	-70.99
Lucas County, OH	SO _x	Maintenance	100	-	42.78	63.40	-186.65
Lyons Township, IL	PM ₁₀	Maintenance	100	-	8.90	13.19	-38.82
Macon, GA	Ozone	Maintenance	100	-	30.00	44.46	-130.88
Macon, GA	PM _{2.5}	Nonattainment	100	-	29.68	43.99	-129.50
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.41	0.61	-1.80
Madison, WI	SO _x	Maintenance	100	-	35.16	52.11	-153.40
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.37	2.03	-5.96
Manchester, NH	CO	Maintenance	100	-	11.07	16.41	-48.31
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	14.51	21.51	-63.32
Marion County, IN	SO _x	Maintenance	100	-	44.80	66.40	-195.46
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	16.17	23.97	-70.56
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	45.71	67.75	-199.44
Mason County, MI	Ozone	Maintenance	100	-	3.78	5.60	-16.49
Medford, OR	CO	Maintenance	100	-	11.20	16.59	-48.85
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	26.71	39.58	-116.52
Memphis, TN-AR	Ozone	Maintenance	100	-	135.54	200.52	-612.48
Memphis, TN	CO	Maintenance	100	-	124.07	183.52	-562.44
Miami (Gila County), AZ	SO _x	Maintenance	100	-	4.22	6.26	-18.43

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.75	1.11	-3.28
Milwaukee, WI	SO _x	Maintenance	100	-	75.68	112.16	-330.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	255.20	378.24	-1,113.47
Minneapolis-St Paul, MN	CO	Maintenance	100	-	223.80	322.26	-1,516.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	401.14	594.49	-1,752.19
Missoula, MT	CO	Maintenance	100	-	8.45	12.51	-37.88
Missoula, MT	PM ₁₀	Moderate	100	-	8.19	12.12	-36.70
Modesto, CA	CO	Maintenance	100	-	44.35	65.73	-193.51
Mohave County, AZ	PM ₁₀	Maintenance	100	-	14.89	22.07	-64.97
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.21	0.31	-0.90
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.48	0.71	-2.08
Morristown, NJ	CO	Maintenance	100	-	4.68	6.94	-20.42
Muhlenberg County, KY	SO _x	Maintenance	100	-	4.16	6.16	-18.14
Muncie, IN	Ozone	Maintenance	100	-	16.57	24.56	-72.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.63	0.94	-2.76
Muscatine County, IA	SO _x	Maintenance	100	-	2.17	3.22	-9.47
Muskegon, MI	Ozone	Maintenance	100	-	18.54	27.47	-80.92
Nashua, NH	CO	Maintenance	100	-	8.83	13.09	-38.54
Nashville, TN	Ozone	Former Subpart 1	50	-	234.58	347.65	-1,024.13
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	20.23	29.99	-88.29
New Haven County, CT	PM ₁₀	Maintenance	100	-	19.94	29.55	-86.99
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	112.61	166.90	-491.32
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.86	1.27	-3.74
New York County, NY	PM ₁₀	Moderate	100	-	65.37	96.88	-285.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,113.77	1,650.35	-4,880.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2,118.07	3,138.66	-9,272.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2,100.05	3,111.94	-9,194.14
Nogales, AZ	PM ₁₀	Moderate	100	-	5.85	8.68	-25.55

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-338.31	-529.48	-130.38
Ogden, UT	CO	Maintenance	100	-	10.07	14.92	-43.92
Ogden, UT	PM ₁₀	Moderate	100	-	10.07	14.92	-43.92
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.34	0.51	-1.50
Olmsted County, MN	PM ₁₀	Maintenance	100	-	3.02	4.47	-13.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	15.39	22.81	-67.16
Owens Valley, CA	PM ₁₀	Serious	70	-	0.56	0.82	-2.42
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.10
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	20.77	30.79	-90.63
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	20.91	30.99	-91.24
Payson, AZ	PM ₁₀	Maintenance	100	-	2.80	4.15	-12.21
Penns Grove, NJ	CO	Maintenance	100	-	0.07	0.10	-0.30
Peoria, IL	SO _x	Maintenance	100	-	14.29	21.17	-62.41
Perth Amboy, NJ	CO	Maintenance	100	-	7.64	11.14	-43.58
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	55.87	82.81	-243.78
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	530.07	780.36	-2,613.69
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	828.26	1,222.31	-3,914.99
Phoenix, AZ	CO	Maintenance	100	-	675.55	1,001.22	-2,948.05
Phoenix, AZ	PM ₁₀	Serious	70	-	696.11	1,031.70	-3,037.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	698.47	1,035.20	-3,048.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.53	2.27	-6.69
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.19	0.28	-0.82
Pittsburgh, PA	CO	Maintenance	100	-	3.32	4.92	-14.50
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	286.76	424.99	-1,251.67
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	261.96	388.25	-1,143.48
Polk County, TN	SO _x	Maintenance	100	-	3.01	4.46	-13.12
Polson, MT	PM ₁₀	Moderate	100	-	0.42	0.62	-1.83
Portland, ME	Ozone	Maintenance	100	-	79.82	118.26	-349.95

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	165.55	245.34	-723.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	6.28	9.31	-27.41
Poughkeepsie, NY	Ozone	Moderate	50	-	195.82	290.23	-854.38
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.32	1.96	-5.76
Providence (entire State), RI	Ozone	Moderate	50	-	140.32	207.93	-614.36
Provo, UT	CO	Maintenance	100	-	23.36	34.62	-101.90
Raleigh-Durham, NC	CO	Maintenance	100	-	186.95	277.08	-816.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	254.95	377.86	-1,112.76
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.28	0.41	-1.21
Reading, PA	Ozone	Maintenance	100	-	47.72	70.73	-208.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	47.72	70.73	-208.22
Reno, NV	CO	Maintenance	100	-	35.00	51.88	-152.72
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.14	0.20	-0.60
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	175.28	259.77	-765.28
Rillito, AZ	PM ₁₀	Moderate	100	-	6.99	10.36	-30.49
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	91.85	136.14	-400.77
Roanoke, VA	Ozone	Former Subpart 1	50	-	37.55	55.66	-163.84
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	11.51	17.06	-50.21
Rochester, NY	Ozone	Former Subpart 1	50	-	191.72	284.15	-836.49
Rocky Mount, NC	Ozone	Maintenance	100	-	26.60	39.43	-116.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	17.20	25.50	-75.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.16	0.24	-0.71
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.36	0.54	-1.58
Sacramento County, CA	PM ₁₀	Moderate	100	-	214.50	317.92	-935.89
Sacramento Metro, CA	Ozone	Severe	25	-	384.74	570.18	-1,681.40
Sacramento, CA	CO	Maintenance	100	-	239.24	354.58	-1,044.17
Salem, OR	CO	Maintenance	100	-	18.78	27.83	-81.93
Salt Lake City, UT	CO	Maintenance	100	-	28.29	41.82	-129.55

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	145.42	215.42	-640.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	147.57	218.72	-643.86
San Antonio, TX	Ozone	Former Subpart 1	50	-	266.16	394.47	-1,161.90
San Bernardino County, CA	PM ₁₀	Moderate	100	-	61.68	91.42	-269.13
San Diego, CA	CO	Maintenance	100	-	595.83	883.09	-2,599.65
San Diego, CA	Ozone	Former Subpart 1	50	-	596.94	884.73	-2,604.47
San Francisco Bay Area, CA	Ozone	Marginal	50	-	888.20	1,314.93	-3,960.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,010.29	1,495.87	-4,492.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	650.96	964.73	-2,844.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	653.69	968.77	-2,856.25
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	650.96	964.73	-2,844.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	4.82	7.14	-21.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.10	0.15	-0.43
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	95.86	142.08	-418.25
Seattle-Tacoma, WA	CO	Maintenance	100	-	428.34	634.85	-1,868.88
Sheboygan, WI	Ozone	Moderate	50	-	17.02	25.23	-74.27
Sheridan, WY	PM ₁₀	Moderate	100	-	3.13	4.63	-13.64
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	2.50	3.70	-10.90
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	64.71	95.90	-282.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	25.00	37.05	-109.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	42.55	63.07	-185.67
Spokane, WA	CO	Maintenance	100	-	42.12	62.42	-183.77
Springfield (western MA), MA	Ozone	Moderate	50	-	127.56	189.04	-557.45
Springfield, MA	CO	Maintenance	100	-	20.49	30.36	-89.72
St. Louis, MO	CO	Maintenance	100	-	131.24	194.52	-572.62
St. Louis, MO-IL	Ozone	Moderate	50	-	393.00	580.94	-1,802.24
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	390.21	576.81	-1,790.07

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	24.47	36.27	-106.76
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	2.64	3.92	-11.53
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	6.11	9.06	-26.66
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	12.12	17.88	-57.48
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	12.12	17.88	-57.48
Stockton, CA	CO	Maintenance	100	-	66.64	98.76	-290.74
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	73.52	108.97	-320.79
Telluride, CO	PM ₁₀	Maintenance	100	-	0.21	0.31	-0.91
Terre Haute, IN	Ozone	Maintenance	100	-	18.83	27.91	-82.17
Tioga County, PA	Ozone	Maintenance	100	-	8.07	11.96	-35.21
Toledo, OH	Ozone	Maintenance	100	-	32.99	46.63	-273.81
Toms River, NJ	CO	Maintenance	100	-	14.24	21.10	-62.12
Tooele County, UT	SO _x	Nonattainment	100	-	14.45	21.42	-63.06
Trenton, NJ	CO	Maintenance	100	-	12.67	18.77	-55.27
Trona, CA	PM ₁₀	Moderate	100	-	0.45	0.67	-1.97
Tucson, AZ	CO	Maintenance	100	-	142.44	211.11	-621.47
Utah County, UT	PM ₁₀	Moderate	100	-	69.49	102.99	-303.18
Vancouver, WA	CO	Maintenance	100	-	44.56	66.05	-194.43
Ventura County, CA	Ozone	Serious	50	-	119.80	177.52	-524.82
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.03	1.53	-4.49
Vigo County, IN	SO _x	Maintenance	100	-	18.83	27.91	-82.17
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	8.09	11.99	-35.28
Warren County, NJ	SO _x	Maintenance	100	-	5.14	7.61	-22.41
Warren County, PA	SO _x	Nonattainment	100	-	2.00	2.96	-8.86
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	30.45	45.13	-132.86
Washington, DC-MD-VA	CO	Maintenance	100	-	224.29	332.42	-978.59

Appendix B

**Table B.1-2
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	773.63	1,146.60	-3,375.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	757.50	1,122.69	-3,305.00
Washoe County, NV	PM ₁₀	Serious	70	-	35.00	51.88	-152.72
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.59	0.87	-2.56
Wayne County, IN	SO _x	Maintenance	100	-	10.27	15.22	-44.80
Wayne County, MI	PM ₁₀	Maintenance	100	-	7.17	10.46	-40.78
Weirton, WV	PM ₁₀	Maintenance	100	-	1.38	2.05	-6.02
Weirton, WV	SO _x	Maintenance	100	-	1.81	2.69	-7.91
Wheeling, WV-OH	Ozone	Maintenance	100	-	21.38	31.69	-93.28
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	21.38	31.69	-93.28
Winston-Salem, NC	CO	Maintenance	100	-	58.86	87.23	-256.79
Worcester, MA	CO	Maintenance	100	-	31.19	46.23	-136.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	13.33	19.75	-58.15
Yakima, WA	CO	Maintenance	100	-	5.48	8.12	-23.91
York, PA	Ozone	Maintenance	100	-	63.75	94.49	-278.15
York, PA	PM _{2.5}	Nonattainment	100	-	49.58	73.48	-216.30
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	91.41	135.48	-398.82
Yuma, AZ	PM ₁₀	Moderate	100	-	26.60	39.43	-116.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.95	1.12	-9.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	2.20	2.59	-21.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	2.29	2.69	-21.81
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	679.43	797.74	-6,475.76
Albuquerque, NM	CO	Maintenance	100	-	309.12	362.95	-2,946.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	82.12	96.42	-782.62
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	313.28	367.84	-2,986.69
Altoona, PA	Ozone	Maintenance	100	-	49.90	58.59	-475.56
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	107.00	125.63	-1,019.71
Anchorage, AK	CO	Maintenance	100	-	80.24	94.22	-764.75
Anthony, NM	PM ₁₀	Moderate	100	-	3.87	4.54	-36.85
Armstrong County, PA	SO _x	Nonattainment	100	-	2.58	3.02	-24.55
Aspen, CO	PM ₁₀	Maintenance	100	-	3.90	4.58	-37.19
Atlanta, GA	Ozone	Moderate	50	-	3,714.67	4,361.51	-35,404.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3,716.26	4,363.38	-35,419.43
Atlantic City, NJ	CO	Maintenance	100	-	26.20	30.77	-249.72
Bakersfield, CA	CO	Maintenance	100	-	245.62	288.50	-2,350.11
Baltimore, MD	CO	Maintenance	100	-	5.07	5.95	-48.44
Baltimore, MD	Ozone	Moderate	50	-	1,624.99	1,907.99	-15,491.56
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1,624.96	1,907.96	-15,491.32
Baton Rouge, LA	Ozone	Moderate	50	-	84.85	110.88	-1,797.13
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-51.06	-50.29	-361.67
Benton County, TN	SO _x	Maintenance	100	-	0.57	0.67	-5.48
Benton Harbor, MI	Ozone	Maintenance	100	-	86.48	101.54	-824.33
Benzie County, MI	Ozone	Maintenance	100	-	13.62	15.99	-129.78
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	80.14	94.10	-763.79
Billings, MT	CO	Maintenance	100	-	-12.28	-12.48	-52.85
Birmingham, AL	Ozone	Maintenance	100	-	514.94	604.69	-4,914.71

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	516.72	606.77	-4,931.60
Boise-Northern Ada County, ID	CO	Maintenance	100	-	178.84	210.01	-1,706.72
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	178.84	210.01	-1,706.72
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	9.83	11.54	-93.67
Boston, MA	CO	Maintenance	100	-	442.87	519.98	-4,220.64
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2,707.89	3,179.40	-25,806.91
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	354.18	415.86	-3,375.46
Boyd County (part), KY	SO _x	Maintenance	100	-	4.79	5.62	-45.63
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	593.09	696.36	-5,652.26
Burlington, NJ	CO	Maintenance	100	-	3.57	4.19	-34.02
Butte, MT	PM ₁₀	Moderate	100	-	9.76	11.46	-93.03
Canon City, CO	PM ₁₀	Maintenance	100	-	11.27	13.24	-107.43
Canton-Massillon, OH	Ozone	Maintenance	100	-	134.80	158.76	-1,327.58
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	134.80	158.76	-1,327.58
Case County, MI	Ozone	Maintenance	100	-	22.31	26.19	-212.61
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.39	0.46	-3.74
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	2.92	3.43	-27.84
Charleston, WV	Ozone	Maintenance	100	-	134.16	157.52	-1,278.60
Charleston, WV	PM _{2.5}	Nonattainment	100	-	134.16	157.52	-1,278.60
Charlotte, NC	CO	Maintenance	100	-	411.58	483.25	-3,922.51
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	908.63	1,066.84	-8,659.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	280.69	329.56	-2,675.07
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	257.93	302.84	-2,458.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3,434.93	4,047.66	-34,019.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3,564.26	4,199.52	-35,252.57
Chico, CA	CO	Maintenance	100	-	68.75	80.72	-655.22
Chico, CA	Ozone	Former Subpart 1	50	-	151.08	177.38	-1,439.80
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,043.75	1,225.49	-9,947.16

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,011.53	1,187.66	-9,640.15
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	6.42	7.54	-61.20
Clark County, NV	PM ₁₀	Serious	70	-	881.25	1,034.70	-8,398.55
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	142.94	167.83	-1,362.29
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	92.49	108.60	-881.49
Cleveland, OH	CO	Maintenance	100	-	447.33	525.22	-4,263.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1,315.21	1,544.22	-12,534.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1,207.49	1,417.75	-11,507.72
Coachella Valley, CA	PM ₁₀	Serious	70	-	391.57	459.76	-3,731.80
Colbert County, AL	SO _x	Maintenance	100	-	28.36	33.29	-270.25
Colorado Springs, CO	CO	Maintenance	100	-	333.34	391.47	-3,184.63
Columbia Falls, MT	PM ₁₀	Moderate	100	-	3.17	3.72	-30.22
Columbia, SC	Ozone	Former Subpart 1	50	-	344.18	404.11	-3,280.09
Columbus, OH	Ozone	Maintenance	100	-	938.94	1,102.44	-8,948.39
Columbus, OH	PM _{2.5}	Nonattainment	100	-	872.92	1,024.91	-8,319.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	1.49	1.75	-14.30
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.18	0.22	-1.76
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	447.33	525.23	-4,263.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	371.94	436.70	-3,544.68
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3,967.50	4,658.40	-37,816.69
Dayton-Springfield, OH	Ozone	Maintenance	100	-	419.01	491.97	-3,993.29
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	369.12	433.39	-3,517.77
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1,647.77	1,935.79	-15,801.29
Denver-Boulder, CO	CO	Maintenance	100	-	1,574.27	1,849.50	-15,100.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1,993.90	2,342.20	-19,100.25
Detroit, MI	CO	Maintenance	100	-	748.97	879.80	-7,174.94
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2,413.94	2,834.83	-23,054.91
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2,368.53	2,781.52	-22,622.21

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	20.26	23.79	-193.11
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	18.11	21.26	-172.59
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	14.60	17.15	-139.18
Duluth, MN	CO	Maintenance	100	-	40.21	47.21	-383.21
Eagle River, AK	PM ₁₀	Moderate	100	-	4.98	5.84	-47.43
East Chicago, IN	CO	Maintenance	100	-	0.51	0.60	-4.88
East Chicago, IN	PM ₁₀	Maintenance	100	-	-90.65	-98.99	210.87
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.53	0.62	-5.04
El Paso County, TX	PM ₁₀	Moderate	100	-	248.40	292.24	-2,418.72
El Paso, TX	CO	Maintenance	100	-	16.33	19.18	-155.68
Erie, PA	Ozone	Maintenance	100	-	114.76	134.74	-1,093.67
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.89	1.04	-8.48
Eugene-Springfield, OR	CO	Maintenance	100	-	124.70	146.41	-1,188.43
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	119.49	140.30	-1,138.81
Evansville, IN	Ozone	Maintenance	100	-	131.34	154.21	-1,251.74
Evansville, IN	PM _{2.5}	Nonattainment	100	-	167.52	196.69	-1,596.54
Fairbanks, AK	CO	Maintenance	100	-	9.88	11.60	-94.18
Fayetteville, NC	Ozone	Former Subpart 1	50	-	155.26	182.29	-1,479.65
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	4.13	4.85	-39.33
Flint, MI	Ozone	Maintenance	100	-	265.39	311.60	-2,529.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.50	0.58	-4.73
Fort Collins, CO	CO	Maintenance	100	-	101.53	119.21	-967.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.33	0.39	-3.15
Fort Wayne, IN	Ozone	Maintenance	100	-	192.41	225.91	-1,833.72
Franklin County, PA	Ozone	Maintenance	100	-	82.06	96.34	-782.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.38	0.45	-3.63
Frederick County, VA	Ozone	Former Subpart 1	50	-	69.15	81.19	-659.05
Fredericksburg, VA	Ozone	Maintenance	100	-	241.22	283.22	-2,298.86

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	10.38	12.19	-98.97
Fresno, CA	CO	Maintenance	100	-	332.44	390.34	-3,169.23
Grand Rapids, MI	Ozone	Maintenance	100	-	445.61	523.20	-4,246.76
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	19.68	23.10	-187.54
Grant County, NM	SO _x	Maintenance	100	-	1.26	1.48	-12.02
Grants Pass, OR	CO	Maintenance	100	-	0.26	0.30	-2.44
Grants Pass, OR	PM ₁₀	Maintenance	100	-	18.92	22.21	-180.27
Great Falls, MT	CO	Maintenance	100	-	9.09	10.67	-86.63
Greater Connecticut, CT	Ozone	Moderate	50	-	840.98	987.43	-8,016.08
Greeley, CO	CO	Maintenance	100	-	68.22	80.10	-650.14
Green Bay, WI	SO _x	Maintenance	100	-	65.79	77.24	-626.96
Greene County, IN	Ozone	Maintenance	100	-	25.50	29.94	-243.04
Greene County, PA	Ozone	Maintenance	100	-	22.98	26.98	-218.96
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	841.92	988.54	-8,025.50
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	412.03	483.79	-3,928.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	454.44	533.59	-4,332.80
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	11.65	13.68	-111.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	60.96	71.58	-581.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	466.59	547.84	-4,447.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	430.23	505.15	-4,100.75
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	537.12	630.66	-5,120.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	5.76	6.76	-54.90
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	22.73	26.69	-216.65
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	2.60	3.05	-24.76
Hazelwood, PA	SO _x	Maintenance	100	-	20.73	24.35	-197.68
Hickory, NC	PM _{2.5}	Nonattainment	100	-	88.69	104.14	-845.28
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	149.00	174.94	-1,419.96
Hollis Township, IL	SO _x	Maintenance	100	-	1.17	1.37	-11.14

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	2,654.11	3,132.11	-26,686.33
Humphreys County, TN	SO _x	Maintenance	100	-	1.44	1.69	-13.71
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-40.98	-40.76	-254.37
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-112.88	-125.19	430.92
Huron County, MI	Ozone	Maintenance	100	-	14.26	16.74	-135.91
Imperial County, CA	Ozone	Moderate	50	-	127.61	149.83	-1,216.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	124.94	146.69	-1,190.67
Indian Wells, CA	PM ₁₀	Maintenance	100	-	16.93	19.87	-161.31
Indianapolis, IN	CO	Maintenance	100	-	0.45	0.52	-4.25
Indianapolis, IN	Ozone	Maintenance	100	-	1,089.06	1,278.70	-10,379.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	865.16	1,015.81	-8,245.24
Jackson County, IN	Ozone	Maintenance	100	-	40.67	47.75	-387.59
Jamestown, NY	Ozone	Former Subpart 1	50	-	79.61	93.47	-758.70
Jefferson County, NY	Ozone	Moderate	50	-	64.12	75.29	-611.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	3.55	4.17	-33.85
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	109.55	128.63	-1,044.07
Johnstown, PA	Ozone	Maintenance	100	-	45.41	53.31	-432.72
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	49.97	58.67	-476.25
Juneau, AK	PM ₁₀	Moderate	100	-	6.52	7.66	-62.16
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	259.29	304.44	-2,471.14
Kalispell, MT	PM ₁₀	Moderate	100	-	16.77	19.69	-159.85
Kansas City, MO-KS	Ozone	Maintenance	100	-	906.93	1,064.91	-8,648.95
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	78.65	92.34	-749.51
Kent, WA	PM ₁₀	Maintenance	100	-	14.41	16.92	-137.35
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	43.02	50.51	-409.99
Kewaunee County, WI	Ozone	Maintenance	100	-	12.50	14.68	-119.15
King County, WA	PM ₁₀	Maintenance	100	-	5.70	6.69	-54.34
Klamath Falls, OR	CO	Maintenance	100	-	25.05	29.41	-238.72

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	25.05	29.41	-238.72
Knoxville, TN	Ozone	Former Subpart 1	50	-	668.61	785.04	-6,372.06
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	509.92	598.71	-4,859.66
La Porte County, IN	SO _x	Maintenance	100	-	16.99	19.95	-161.90
LaGrande, OR	PM ₁₀	Maintenance	100	-	7.80	9.16	-74.35
Lake County, IN	SO _x	Maintenance	100	-	150.33	176.52	-1,434.45
Lake County, OH	SO _x	Maintenance	100	-	18.20	21.37	-173.42
Lake County, OR	PM ₁₀	Maintenance	100	-	3.01	3.54	-28.71
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	19.12	22.45	-182.23
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	41.92	49.22	-399.49
Lake Tahoe, NV	CO	Maintenance	100	-	10.57	12.41	-100.72
Lamar, CO	PM ₁₀	Maintenance	100	-	4.46	5.24	-42.51
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.67	0.79	-6.40
Lancaster, PA	Ozone	Maintenance	100	-	240.45	282.32	-2,292.28
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	240.45	282.32	-2,292.28
Lane County, OR	PM ₁₀	Moderate	100	-	0.67	0.78	-6.36
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	249.81	293.31	-2,380.76
LaPorte, IN	Ozone	Maintenance	100	-	47.34	55.58	-451.16
Las Vegas, NV	CO	Serious	100	-	881.25	1,034.70	-8,398.55
Las Vegas, NV	Ozone	Former Subpart 1	50	-	892.13	1,047.47	-8,502.22
Lauderdale County, AL	SO _x	Maintenance	100	-	43.70	51.30	-416.43
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.88	1.04	-8.42
Libby, MT	PM ₁₀	Moderate	100	-	2.11	2.48	-20.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	2.82	3.31	-26.85
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	6.42	7.54	-61.19
Lima, OH	Ozone	Maintenance	100	-	19.62	24.39	-305.91
Longmont, CO	CO	Maintenance	100	-	52.97	62.19	-504.80
Lorain County, OH	SO _x	Maintenance	100	-	24.10	28.30	-229.71

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	8,159.66	9,592.06	-78,782.89
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	8,159.65	9,592.06	-78,782.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	8,159.65	9,592.06	-78,782.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	8,159.73	9,592.15	-78,783.63
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	8,159.27	9,591.60	-78,779.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	387.03	454.42	-3,688.50
Louisville, KY-IN	Ozone	Maintenance	100	-	578.55	679.29	-5,513.75
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	554.72	651.31	-5,286.64
Lowell, MA	CO	Maintenance	100	-	62.16	72.99	-592.45
Lucas County, OH	SO _x	Maintenance	100	-	146.91	172.50	-1,400.13
Lyons Township, IL	PM ₁₀	Maintenance	100	-	30.68	36.02	-292.42
Macon, GA	Ozone	Maintenance	100	-	101.80	119.53	-970.22
Macon, GA	PM _{2.5}	Nonattainment	100	-	100.60	118.12	-958.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	1.40	1.64	-13.32
Madison, WI	SO _x	Maintenance	100	-	140.90	165.44	-1,342.83
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	6.40	7.51	-60.99
Manchester, NH	CO	Maintenance	100	-	37.58	44.12	-358.10
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	51.11	60.01	-487.12
Marion County, IN	SO _x	Maintenance	100	-	155.53	182.61	-1,482.24
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	68.87	80.86	-656.33
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	167.86	197.08	-1,599.71
Mason County, MI	Ozone	Maintenance	100	-	14.05	16.50	-133.90
Medford, OR	CO	Maintenance	100	-	45.61	53.56	-434.71
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	109.41	128.46	-1,042.68
Memphis, TN-AR	Ozone	Maintenance	100	-	480.21	564.47	-4,632.71
Memphis, TN	CO	Maintenance	100	-	442.33	520.00	-4,271.74
Miami (Gila County), AZ	SO _x	Maintenance	100	-	16.93	19.88	-161.37

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	2.49	2.93	-23.79
Milwaukee, WI	SO _x	Maintenance	100	-	264.71	310.80	-2,522.72
Milwaukee-Racine, WI	Ozone	Moderate	50	-	945.29	1,109.89	-9,008.90
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1,136.55	1,350.83	-12,269.21
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1,517.25	1,781.50	-14,465.14
Missoula, MT	CO	Maintenance	100	-	32.37	38.04	-311.12
Missoula, MT	PM ₁₀	Moderate	100	-	31.34	36.82	-301.19
Modesto, CA	CO	Maintenance	100	-	184.63	216.78	-1,759.56
Mohave County, AZ	PM ₁₀	Maintenance	100	-	62.62	73.52	-596.75
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.89	1.05	-8.53
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	1.67	1.97	-15.95
Morristown, NJ	CO	Maintenance	100	-	19.12	22.45	-182.20
Muhlenberg County, KY	SO _x	Maintenance	100	-	14.31	16.80	-136.34
Muncie, IN	Ozone	Maintenance	100	-	54.50	63.98	-519.36
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	2.54	2.98	-24.20
Muscatine County, IA	SO _x	Maintenance	100	-	8.07	9.47	-76.89
Muskegon, MI	Ozone	Maintenance	100	-	68.42	80.33	-652.15
Nashua, NH	CO	Maintenance	100	-	30.26	35.53	-288.39
Nashville, TN	Ozone	Former Subpart 1	50	-	898.45	1,054.92	-8,564.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	91.35	107.26	-870.58
New Haven County, CT	PM ₁₀	Maintenance	100	-	79.01	92.76	-752.95
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	398.79	468.23	-3,800.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	2.91	3.42	-27.74
New York County, NY	PM ₁₀	Moderate	100	-	222.70	261.48	-2,122.41
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	4,011.71	4,710.88	-38,288.49
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	7,753.07	9,104.03	-73,972.71
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	7,684.06	9,022.99	-73,314.96
Nogales, AZ	PM ₁₀	Moderate	100	-	22.19	26.05	-211.48

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-452.02	-482.02	32.81
Ogden, UT	CO	Maintenance	100	-	35.78	42.01	-340.97
Ogden, UT	PM ₁₀	Moderate	100	-	35.78	42.01	-340.98
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.08	1.26	-10.27
Olmsted County, MN	PM ₁₀	Maintenance	100	-	10.19	11.96	-97.09
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	61.17	71.83	-583.00
Owens Valley, CA	PM ₁₀	Serious	70	-	2.39	2.80	-22.74
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.10	0.12	-0.96
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	72.98	85.69	-695.50
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	73.49	86.29	-700.40
Payson, AZ	PM ₁₀	Maintenance	100	-	10.89	12.79	-103.78
Penns Grove, NJ	CO	Maintenance	100	-	0.24	0.29	-2.33
Peoria, IL	SO _x	Maintenance	100	-	49.64	58.29	-473.33
Perth Amboy, NJ	CO	Maintenance	100	-	38.46	45.46	-393.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	187.95	220.67	-1,791.18
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2,050.20	2,416.31	-20,339.88
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	3,144.02	3,700.60	-30,764.98
Phoenix, AZ	CO	Maintenance	100	-	2,983.86	3,503.44	-28,438.61
Phoenix, AZ	PM ₁₀	Serious	70	-	3,065.76	3,599.60	-29,219.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3,074.52	3,609.89	-29,302.63
Pierce County, WA	PM ₁₀	Maintenance	100	-	5.27	6.19	-50.22
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.56	0.65	-5.31
Pittsburgh, PA	CO	Maintenance	100	-	13.80	16.21	-131.59
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,011.71	1,187.88	-9,643.25
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	923.80	1,084.68	-8,805.49
Polk County, TN	SO _x	Maintenance	100	-	10.75	12.63	-102.48
Polson, MT	PM ₁₀	Moderate	100	-	1.72	2.02	-16.39
Portland, ME	Ozone	Maintenance	100	-	294.12	345.39	-2,807.60

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	601.18	705.91	-5,733.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	22.26	26.13	-212.13
Poughkeepsie, NY	Ozone	Moderate	50	-	782.59	918.86	-7,458.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	4.47	5.25	-42.64
Providence (entire State), RI	Ozone	Moderate	50	-	527.04	618.88	-5,028.56
Provo, UT	CO	Maintenance	100	-	93.56	109.85	-891.61
Raleigh-Durham, NC	CO	Maintenance	100	-	734.08	861.91	-6,996.96
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	997.80	1,171.56	-9,510.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.92	1.08	-8.76
Reading, PA	Ozone	Maintenance	100	-	172.75	202.83	-1,646.34
Reading, PA	PM _{2.5}	Nonattainment	100	-	172.75	202.83	-1,646.34
Reno, NV	CO	Maintenance	100	-	128.72	151.13	-1,226.73
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.61	0.71	-5.79
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	639.67	751.06	-6,097.60
Rillito, AZ	PM ₁₀	Moderate	100	-	28.98	34.03	-276.23
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	391.57	459.76	-3,731.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	132.78	155.90	-1,265.42
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	43.51	51.08	-414.65
Rochester, NY	Ozone	Former Subpart 1	50	-	695.51	816.62	-6,628.41
Rocky Mount, NC	Ozone	Maintenance	100	-	93.61	109.91	-892.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	61.79	72.54	-588.84
Ronan, MT	PM ₁₀	Moderate	100	-	0.66	0.77	-6.25
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	1.26	1.48	-12.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	894.52	1,050.28	-8,525.02
Sacramento Metro, CA	Ozone	Severe	25	-	1,638.63	1,924.04	-15,623.86
Sacramento, CA	CO	Maintenance	100	-	1,005.24	1,180.29	-9,581.10
Salem, OR	CO	Maintenance	100	-	67.20	78.90	-640.40
Salt Lake City, UT	CO	Maintenance	100	-	110.57	130.01	-1,070.12

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	550.73	646.81	-5,264.91
Salt Lake County, UT	SO _x	Nonattainment	100	-	555.57	652.31	-5,294.77
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,016.58	1,193.61	-9,689.88
San Bernardino County, CA	PM ₁₀	Moderate	100	-	240.28	282.12	-2,289.95
San Diego, CA	CO	Maintenance	100	-	2,431.50	2,854.88	-23,172.77
San Diego, CA	Ozone	Former Subpart 1	50	-	2,436.14	2,860.33	-23,217.02
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3,530.73	4,148.09	-33,875.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3,988.96	4,686.12	-38,242.10
San Joaquin Valley, CA	Ozone	Extreme	10	-	2,691.32	3,160.07	-25,660.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2,699.54	3,169.72	-25,738.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2,691.32	3,160.07	-25,660.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	19.41	22.79	-184.97
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.36	0.42	-3.39
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	347.78	408.34	-3,314.43
Seattle-Tacoma, WA	CO	Maintenance	100	-	1,646.35	1,933.02	-15,690.11
Sheboygan, WI	Ozone	Moderate	50	-	63.98	75.12	-609.73
Sheridan, WY	PM ₁₀	Moderate	100	-	11.15	13.09	-106.27
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08
Somerville, NJ	CO	Maintenance	100	-	9.42	11.06	-89.80
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	234.98	275.90	-2,239.67
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	77.69	91.22	-740.42
Spokane County, WA	PM ₁₀	Maintenance	100	-	162.83	191.19	-1,551.85
Spokane, WA	CO	Maintenance	100	-	161.03	189.07	-1,534.69
Springfield (western MA), MA	Ozone	Moderate	50	-	463.31	544.01	-4,417.85
Springfield, MA	CO	Maintenance	100	-	77.08	90.52	-735.58
St. Louis, MO	CO	Maintenance	100	-	427.09	501.45	-4,070.25
St. Louis, MO-IL	Ozone	Moderate	50	-	1,419.74	1,669.61	-13,763.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,409.91	1,658.06	-13,669.75

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	94.29	110.71	-898.64
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	11.37	13.34	-108.32
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	20.47	24.04	-195.11
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	42.26	49.76	-415.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	42.26	49.76	-415.02
Stockton, CA	CO	Maintenance	100	-	278.86	327.41	-2,657.58
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	258.94	304.03	-2,467.75
Telluride, CO	PM ₁₀	Maintenance	100	-	1.00	1.18	-9.55
Terre Haute, IN	Ozone	Maintenance	100	-	62.61	73.52	-596.74
Tioga County, PA	Ozone	Maintenance	100	-	27.64	32.45	-263.38
Toledo, OH	Ozone	Maintenance	100	-	173.05	207.12	-1,994.77
Toms River, NJ	CO	Maintenance	100	-	57.26	67.22	-545.66
Tooele County, UT	SO _x	Nonattainment	100	-	54.53	64.03	-519.71
Trenton, NJ	CO	Maintenance	100	-	46.89	55.05	-446.87
Trona, CA	PM ₁₀	Moderate	100	-	1.88	2.20	-17.87
Tucson, AZ	CO	Maintenance	100	-	556.33	653.20	-5,301.99
Utah County, UT	PM ₁₀	Moderate	100	-	271.52	318.79	-2,587.61
Vancouver, WA	CO	Maintenance	100	-	180.76	212.23	-1,722.64
Ventura County, CA	Ozone	Serious	50	-	493.70	579.73	-4,710.80
Vermillion County, IN	PM ₁₀	Maintenance	100	-	3.49	4.09	-33.23
Vigo County, IN	SO _x	Maintenance	100	-	62.61	73.52	-596.74
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	29.16	34.24	-277.90
Warren County, NJ	SO _x	Maintenance	100	-	19.10	22.42	-182.00
Warren County, PA	SO _x	Nonattainment	100	-	6.77	7.96	-64.89
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	109.57	128.64	-1,044.20
Washington, DC-MD-VA	CO	Maintenance	100	-	836.29	981.91	-7,970.08

Appendix B

**Table B.1-3
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2,993.15	3,514.33	-28,525.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2,926.89	3,436.53	-27,893.99
Washoe County, NV	PM ₁₀	Serious	70	-	128.72	151.13	-1,226.73
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	2.07	2.43	-19.75
Wayne County, IN	SO _x	Maintenance	100	-	33.72	39.59	-321.37
Wayne County, MI	PM ₁₀	Maintenance	100	-	36.51	43.16	-373.48
Weirton, WV	PM ₁₀	Maintenance	100	-	4.24	4.98	-40.43
Weirton, WV	SO _x	Maintenance	100	-	5.66	6.65	-53.96
Wheeling, WV-OH	Ozone	Maintenance	100	-	70.53	82.81	-672.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	70.53	82.81	-672.15
Winston-Salem, NC	CO	Maintenance	100	-	217.71	255.62	-2,074.85
Worcester, MA	CO	Maintenance	100	-	122.01	143.25	-1,162.76
Yakima County, WA	PM ₁₀	Maintenance	100	-	49.82	58.50	-474.84
Yakima, WA	CO	Maintenance	100	-	22.45	26.36	-213.96
York, PA	Ozone	Maintenance	100	-	241.39	283.43	-2,300.54
York, PA	PM _{2.5}	Nonattainment	100	-	187.17	219.76	-1,783.78
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	308.92	362.71	-2,944.04
Yuma, AZ	PM ₁₀	Moderate	100	-	106.33	124.84	-1,013.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.87	2.38	-11.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	4.78	6.10	-28.33
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	4.96	6.33	-29.39
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1,467.51	1,873.34	-8,701.24
Albuquerque, NM	CO	Maintenance	100	-	659.87	842.33	-3,912.65
Allegan County, MI	Ozone	Former Subpart 1	50	-	186.02	237.46	-1,102.99
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	673.70	860.07	-3,994.26
Altoona, PA	Ozone	Maintenance	100	-	99.91	127.54	-592.41
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	265.49	338.90	-1,574.18
Anchorage, AK	CO	Maintenance	100	-	178.78	228.21	-1,060.06
Anthony, NM	PM ₁₀	Moderate	100	-	8.11	10.35	-48.10
Armstrong County, PA	SO _x	Nonattainment	100	-	5.59	7.14	-33.16
Aspen, CO	PM ₁₀	Maintenance	100	-	8.73	11.15	-51.77
Atlanta, GA	Ozone	Moderate	50	-	8,307.45	10,604.70	-49,257.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	8,310.10	10,608.09	-49,272.99
Atlantic City, NJ	CO	Maintenance	100	-	54.28	69.29	-321.87
Bakersfield, CA	CO	Maintenance	100	-	555.99	710.45	-3,293.11
Baltimore, MD	CO	Maintenance	100	-	10.54	13.47	-62.46
Baltimore, MD	Ozone	Moderate	50	-	3,578.74	4,568.67	-21,217.87
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3,578.68	4,568.60	-21,217.55
Baton Rouge, LA	Ozone	Moderate	50	-	425.43	620.32	-2,141.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	80.52	169.09	-150.36
Benton County, TN	SO _x	Maintenance	100	-	1.12	1.43	-6.65
Benton Harbor, MI	Ozone	Maintenance	100	-	169.73	216.67	-1,006.37
Benzie County, MI	Ozone	Maintenance	100	-	32.08	40.95	-190.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	177.05	226.00	-1,049.78
Billings, MT	CO	Maintenance	100	-	14.81	32.18	-22.33
Birmingham, AL	Ozone	Maintenance	100	-	1,073.44	1,370.82	-6,362.10
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1,077.41	1,375.88	-6,385.65

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	399.18	509.73	-2,366.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	399.18	509.73	-2,366.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	23.36	29.82	-138.50
Boston, MA	CO	Maintenance	100	-	940.95	1,201.13	-5,579.29
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	5,836.31	7,450.10	-34,605.83
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	779.18	994.62	-4,620.04
Boyd County (part), KY	SO _x	Maintenance	100	-	9.84	12.56	-58.35
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1,244.14	1,588.16	-7,377.01
Burlington, NJ	CO	Maintenance	100	-	5.17	6.61	-30.68
Butte, MT	PM ₁₀	Moderate	100	-	18.65	23.80	-110.56
Canon City, CO	PM ₁₀	Maintenance	100	-	26.76	34.15	-158.65
Canton-Massillon, OH	Ozone	Maintenance	100	-	285.56	367.87	-1,676.65
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	285.56	367.87	-1,676.65
Case County, MI	Ozone	Maintenance	100	-	46.56	59.43	-276.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.94	1.20	-5.55
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	5.45	6.96	-32.31
Charleston, WV	Ozone	Maintenance	100	-	266.09	339.66	-1,577.74
Charleston, WV	PM _{2.5}	Nonattainment	100	-	266.09	339.66	-1,577.74
Charlotte, NC	CO	Maintenance	100	-	925.79	1,181.78	-5,489.37
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2,023.12	2,582.53	-11,995.89
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	588.81	751.63	-3,491.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	545.48	696.31	-3,234.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	7,849.70	10,120.55	-46,048.88
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	8,131.58	10,480.38	-47,720.26
Chico, CA	CO	Maintenance	100	-	171.46	218.88	-1,016.68
Chico, CA	Ozone	Former Subpart 1	50	-	359.21	458.53	-2,129.88
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2,246.58	2,867.77	-13,320.85
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2,173.99	2,775.12	-12,890.48
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	11.45	14.62	-67.88

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	2,055.89	2,624.36	-12,190.19
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	317.85	405.74	-1,884.68
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	193.73	247.30	-1,148.73
Cleveland, OH	CO	Maintenance	100	-	874.26	1,116.00	-5,183.82
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2,743.68	3,502.32	-16,268.36
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2,508.92	3,202.66	-14,876.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	940.75	1,200.87	-5,578.07
Colbert County, AL	SO _x	Maintenance	100	-	55.09	70.32	-326.65
Colorado Springs, CO	CO	Maintenance	100	-	761.98	973.25	-4,515.22
Columbia Falls, MT	PM ₁₀	Moderate	100	-	7.33	9.36	-43.46
Columbia, SC	Ozone	Former Subpart 1	50	-	744.76	950.69	-4,415.99
Columbus, OH	Ozone	Maintenance	100	-	2,111.08	2,694.81	-12,517.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,966.16	2,509.81	-11,658.14
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.51	3.20	-14.83
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.25	0.32	-1.50
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	874.26	1,116.00	-5,183.84
Cuyahoga County, OH	SO _x	Maintenance	100	-	753.79	962.21	-4,469.50
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	9,051.34	11,554.49	-53,667.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	858.90	1,096.39	-5,092.77
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	754.22	962.77	-4,472.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	3,748.92	4,793.02	-22,191.88
Denver-Boulder, CO	CO	Maintenance	100	-	3,581.10	4,578.79	-21,196.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	4,533.12	5,794.07	-26,841.66
Detroit, MI	CO	Maintenance	100	-	1,347.38	1,723.09	-7,973.65
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5,169.81	6,603.16	-30,634.77
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5,072.29	6,478.68	-30,056.55
Door County, WI	Ozone	Former Subpart 1	50	-	45.01	57.46	-266.90
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	37.23	47.53	-220.77
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	30.68	39.16	-181.91

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	81.52	104.07	-483.39
Eagle River, AK	PM ₁₀	Moderate	100	-	11.50	14.68	-68.21
East Chicago, IN	CO	Maintenance	100	-	1.00	1.28	-5.94
East Chicago, IN	PM ₁₀	Maintenance	100	-	-44.62	-5.92	516.32
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	1.14	1.45	-6.74
El Paso County, TX	PM ₁₀	Moderate	100	-	556.91	714.91	-3,282.33
El Paso, TX	CO	Maintenance	100	-	34.29	43.78	-203.33
Erie, PA	Ozone	Maintenance	100	-	236.33	301.67	-1,401.28
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	2.11	2.69	-12.50
Eugene-Springfield, OR	CO	Maintenance	100	-	274.70	350.65	-1,628.80
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	263.94	336.93	-1,565.04
Evansville, IN	Ozone	Maintenance	100	-	277.63	354.39	-1,646.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	350.42	447.32	-2,077.79
Fairbanks, AK	CO	Maintenance	100	-	22.41	28.60	-132.87
Fayetteville, NC	Ozone	Former Subpart 1	50	-	332.49	424.43	-1,971.49
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	9.50	12.13	-56.33
Flint, MI	Ozone	Maintenance	100	-	553.71	706.81	-3,283.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.72	0.92	-4.26
Fort Collins, CO	CO	Maintenance	100	-	233.05	297.49	-1,381.86
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.61	0.78	-3.62
Fort Wayne, IN	Ozone	Maintenance	100	-	412.81	526.95	-2,447.71
Franklin County, PA	Ozone	Maintenance	100	-	179.38	228.98	-1,063.64
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.77	0.98	-4.57
Frederick County, VA	Ozone	Former Subpart 1	50	-	148.88	190.05	-882.79
Fredericksburg, VA	Ozone	Maintenance	100	-	559.00	713.56	-3,314.52
Freehold, NJ	CO	Maintenance	100	-	25.83	32.98	-153.18
Fresno, CA	CO	Maintenance	100	-	747.86	954.72	-4,434.05
Grand Rapids, MI	Ozone	Maintenance	100	-	988.32	1,261.60	-5,860.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	38.24	48.81	-226.73

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	2.43	3.10	-14.39
Grants Pass, OR	CO	Maintenance	100	-	0.59	0.76	-3.52
Grants Pass, OR	PM ₁₀	Maintenance	100	-	43.96	56.11	-260.65
Great Falls, MT	CO	Maintenance	100	-	17.00	21.70	-100.82
Greater Connecticut, CT	Ozone	Moderate	50	-	1,757.47	2,243.52	-10,420.22
Greeley, CO	CO	Maintenance	100	-	152.36	194.49	-903.40
Green Bay, WI	SO _x	Maintenance	100	-	141.59	180.74	-839.54
Greene County, IN	Ozone	Maintenance	100	-	54.49	69.56	-323.11
Greene County, PA	Ozone	Maintenance	100	-	47.53	60.67	-281.80
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,781.93	2,274.77	-10,565.14
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	864.71	1,103.94	-5,126.60
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	941.98	1,202.58	-5,584.69
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	24.62	31.43	-145.99
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	130.61	166.72	-774.43
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1,029.94	1,314.77	-6,106.73
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	948.86	1,211.27	-5,625.97
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1,106.98	1,413.17	-6,563.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	13.26	16.93	-78.63
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	52.93	67.56	-313.82
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	5.63	7.18	-33.37
Hazelwood, PA	SO _x	Maintenance	100	-	45.16	57.66	-267.75
Hickory, NC	PM _{2.5}	Nonattainment	100	-	180.71	230.68	-1,071.50
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	309.48	395.06	-1,835.05
Hollis Township, IL	SO _x	Maintenance	100	-	2.32	2.96	-13.75
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	6,217.15	8,044.93	-36,327.71
Humphreys County, TN	SO _x	Maintenance	100	-	3.11	3.97	-18.42
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	51.82	116.55	-58.62
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-99.97	-77.21	841.38

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	29.26	37.34	-173.46
Imperial County, CA	Ozone	Moderate	50	-	296.01	377.86	-1,755.16
Imperial Valley, CA	PM ₁₀	Serious	70	-	290.06	370.27	-1,719.89
Indian Wells, CA	PM ₁₀	Maintenance	100	-	34.56	44.12	-204.93
Indianapolis, IN	CO	Maintenance	100	-	0.79	1.01	-4.71
Indianapolis, IN	Ozone	Maintenance	100	-	2,395.95	3,058.45	-14,206.55
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1,906.92	2,434.20	-11,306.90
Jackson County, IN	Ozone	Maintenance	100	-	85.24	108.81	-505.40
Jamestown, NY	Ozone	Former Subpart 1	50	-	166.74	212.84	-988.64
Jefferson County, NY	Ozone	Moderate	50	-	135.70	173.22	-804.59
Jefferson County, OH	PM ₁₀	Maintenance	100	-	6.47	8.26	-38.37
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	226.47	289.09	-1,342.82
Johnstown, PA	Ozone	Maintenance	100	-	82.86	105.78	-491.33
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	91.26	116.49	-541.12
Juneau, AK	PM ₁₀	Moderate	100	-	15.76	20.11	-93.42
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	543.99	694.41	-3,225.55
Kalispell, MT	PM ₁₀	Moderate	100	-	38.35	48.95	-227.37
Kansas City, MO-KS	Ozone	Maintenance	100	-	2,002.28	2,556.36	-11,870.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	174.26	222.44	-1,033.25
Kent, WA	PM ₁₀	Maintenance	100	-	33.46	42.72	-198.42
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	90.42	115.42	-536.12
Kewaunee County, WI	Ozone	Maintenance	100	-	25.93	33.10	-153.73
King County, WA	PM ₁₀	Maintenance	100	-	12.83	16.37	-76.06
Klamath Falls, OR	CO	Maintenance	100	-	51.93	66.28	-307.89
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	51.93	66.29	-307.90
Knoxville, TN	Ozone	Former Subpart 1	50	-	1,511.71	1,929.71	-8,963.52
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1,139.85	1,455.03	-6,758.62
La Porte County, IN	SO _x	Maintenance	100	-	34.04	43.46	-201.85
LaGrande, OR	PM ₁₀	Maintenance	100	-	16.61	21.20	-98.48

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	304.53	388.86	-1,805.00
Lake County, OH	SO _x	Maintenance	100	-	37.96	48.45	-225.06
Lake County, OR	PM ₁₀	Maintenance	100	-	6.14	7.84	-36.43
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	47.90	61.15	-284.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	109.04	139.20	-646.57
Lake Tahoe, NV	CO	Maintenance	100	-	21.93	27.99	-130.01
Lamar, CO	PM ₁₀	Maintenance	100	-	9.35	11.94	-55.46
Lame Deer, MT	PM ₁₀	Moderate	100	-	1.27	1.62	-7.54
Lancaster, PA	Ozone	Maintenance	100	-	521.81	666.16	-3,093.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	521.81	666.16	-3,093.77
Lane County, OR	PM ₁₀	Moderate	100	-	1.22	1.56	-7.23
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	533.05	680.44	-3,160.65
LaPorte, IN	Ozone	Maintenance	100	-	94.41	120.52	-559.81
Las Vegas, NV	CO	Serious	100	-	2,055.89	2,624.36	-12,190.19
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2,077.19	2,651.55	-12,316.50
Lauderdale County, AL	SO _x	Maintenance	100	-	88.92	113.51	-527.25
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.85	2.36	-10.94
Libby, MT	PM ₁₀	Moderate	100	-	4.17	5.33	-24.74
Libby, MT	PM _{2.5}	Nonattainment	100	-	5.57	7.10	-33.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	11.45	14.61	-67.87
Lima, OH	Ozone	Maintenance	100	-	66.59	94.30	-349.00
Longmont, CO	CO	Maintenance	100	-	124.02	158.31	-735.34
Lorain County, OH	SO _x	Maintenance	100	-	51.69	65.99	-306.51
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	18,511.54	23,709.77	-109,369.30
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	18,511.53	23,709.77	-109,369.30
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	18,511.53	23,709.77	-109,369.30
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	18,511.65	23,709.91	-109,369.30
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	18,510.71	23,708.71	-109,369.30
Los Angeles-San Bernardino Counties (western	Ozone	Moderate	50	-	872.74	1,114.06	-5,174.83

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Mohave), CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	1,211.29	1,546.22	-7,182.23
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1,151.71	1,470.16	-6,828.94
Lowell, MA	CO	Maintenance	100	-	140.16	178.92	-831.07
Lucas County, OH	SO _x	Maintenance	100	-	295.39	377.07	-1,751.51
Lyons Township, IL	PM ₁₀	Maintenance	100	-	61.78	78.87	-366.34
Macon, GA	Ozone	Maintenance	100	-	202.53	258.53	-1,200.89
Macon, GA	PM _{2.5}	Nonattainment	100	-	199.88	255.15	-1,185.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	2.76	3.52	-16.36
Madison, WI	SO _x	Maintenance	100	-	325.03	414.91	-1,927.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	16.99	21.69	-100.77
Manchester, NH	CO	Maintenance	100	-	72.27	92.25	-428.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	105.46	134.62	-625.33
Marion County, IN	SO _x	Maintenance	100	-	316.15	403.57	-1,874.59
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	165.29	210.99	-980.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	359.64	459.08	-2,132.44
Mason County, MI	Ozone	Maintenance	100	-	30.43	38.84	-180.41
Medford, OR	CO	Maintenance	100	-	106.60	136.08	-632.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	257.20	328.32	-1,525.04
Memphis, TN-AR	Ozone	Maintenance	100	-	990.18	1,268.36	-5,849.50
Memphis, TN	CO	Maintenance	100	-	916.95	1,174.88	-5,415.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	39.03	49.82	-231.42
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	4.77	6.08	-28.25
Milwaukee, WI	SO _x	Maintenance	100	-	547.04	698.30	-3,243.61
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2,040.68	2,604.94	-12,100.00
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2,869.00	3,774.65	-16,457.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3,332.90	4,254.88	-19,760.07
Missoula, MT	CO	Maintenance	100	-	71.45	91.39	-422.69

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	69.12	88.41	-408.90
Modesto, CA	CO	Maintenance	100	-	432.02	551.48	-2,561.62
Mohave County, AZ	PM ₁₀	Maintenance	100	-	149.52	190.86	-886.55
Mono Basin, CA	PM ₁₀	Moderate	100	-	2.13	2.72	-12.64
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	3.43	4.38	-20.32
Morristown, NJ	CO	Maintenance	100	-	45.81	58.48	-271.63
Muhlenberg County, KY	SO _x	Maintenance	100	-	28.86	36.84	-171.15
Muncie, IN	Ozone	Maintenance	100	-	104.88	133.87	-621.85
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	6.58	8.40	-39.03
Muscatine County, IA	SO _x	Maintenance	100	-	17.71	22.61	-105.00
Muskegon, MI	Ozone	Maintenance	100	-	147.23	187.95	-872.96
Nashua, NH	CO	Maintenance	100	-	59.02	75.34	-349.96
Nashville, TN	Ozone	Former Subpart 1	50	-	1,994.06	2,545.57	-11,822.94
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	227.42	290.31	-1,348.49
New Haven County, CT	PM ₁₀	Maintenance	100	-	184.65	235.71	-1,094.88
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	825.86	1,054.21	-4,896.83
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	6.11	7.79	-36.20
New York County, NY	PM ₁₀	Moderate	100	-	444.78	567.77	-2,637.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	8,448.60	10,789.07	-50,073.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	16,557.02	21,141.71	-98,140.85
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	16,403.92	20,946.28	-97,233.05
Nogales, AZ	PM ₁₀	Moderate	100	-	48.80	62.29	-289.34
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	48.10	395.50	1,363.11
Ogden, UT	CO	Maintenance	100	-	74.44	95.02	-441.36
Ogden, UT	PM ₁₀	Moderate	100	-	74.44	95.02	-441.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.90	2.42	-11.25
Olmsted County, MN	PM ₁₀	Maintenance	100	-	19.66	25.10	-116.60
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	139.58	178.18	-827.63

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	6.62	8.45	-39.26
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.25	0.32	-1.49
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	150.21	191.74	-890.64
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	151.37	193.23	-897.54
Payson, AZ	PM ₁₀	Maintenance	100	-	24.35	31.08	-144.39
Penns Grove, NJ	CO	Maintenance	100	-	0.51	0.66	-3.05
Peoria, IL	SO _x	Maintenance	100	-	101.21	129.21	-600.03
Perth Amboy, NJ	CO	Maintenance	100	-	102.53	133.01	-597.42
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	370.46	472.90	-2,196.63
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	4,500.29	5,807.23	-26,375.24
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	6,841.98	8,796.47	-40,259.81
Phoenix, AZ	CO	Maintenance	100	-	7,334.21	9,362.28	-43,486.89
Phoenix, AZ	PM ₁₀	Serious	70	-	7,520.72	9,600.36	-44,592.77
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	7,539.03	9,623.74	-44,701.36
Pierce County, WA	PM ₁₀	Maintenance	100	-	10.18	13.00	-60.38
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.95	1.21	-5.63
Pittsburgh, PA	CO	Maintenance	100	-	36.14	46.14	-214.28
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2,090.43	2,668.57	-12,394.47
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,908.58	2,436.43	-11,316.21
Polk County, TN	SO _x	Maintenance	100	-	22.50	28.72	-133.41
Polson, MT	PM ₁₀	Moderate	100	-	4.11	5.25	-24.39
Portland, ME	Ozone	Maintenance	100	-	630.28	804.89	-3,735.49
Portland, OR	CO	Maintenance	100	-	1,275.15	1,628.07	-7,559.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	45.99	58.70	-272.67
Poughkeepsie, NY	Ozone	Moderate	50	-	1,795.36	2,291.80	-10,645.44
Presque Isle, ME	PM ₁₀	Maintenance	100	-	8.90	11.36	-52.75
Providence (entire State), RI	Ozone	Moderate	50	-	1,150.66	1,469.28	-6,820.55
Provo, UT	CO	Maintenance	100	-	214.54	273.86	-1,272.08
Raleigh-Durham, NC	CO	Maintenance	100	-	1,661.56	2,121.07	-9,851.72

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2,252.70	2,875.66	-13,356.81
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.76	2.25	-10.45
Reading, PA	Ozone	Maintenance	100	-	365.47	466.52	-2,167.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	365.47	466.52	-2,167.01
Reno, NV	CO	Maintenance	100	-	275.85	352.12	-1,635.60
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	1.65	2.11	-9.78
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1,363.26	1,740.31	-8,082.78
Rillito, AZ	PM ₁₀	Moderate	100	-	68.63	87.61	-406.94
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	940.75	1,200.87	-5,578.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	274.94	350.96	-1,630.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	95.20	121.52	-564.46
Rochester, NY	Ozone	Former Subpart 1	50	-	1,474.31	1,881.97	-8,741.79
Rocky Mount, NC	Ozone	Maintenance	100	-	192.97	246.33	-1,144.19
Rome, GA	PM _{2.5}	Nonattainment	100	-	129.80	165.70	-769.66
Ronan, MT	PM ₁₀	Moderate	100	-	1.54	1.97	-9.15
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	2.56	3.26	-15.16
Sacramento County, CA	PM ₁₀	Moderate	100	-	2,116.11	2,701.23	-12,547.29
Sacramento Metro, CA	Ozone	Severe	25	-	3,923.81	5,009.30	-23,263.22
Sacramento, CA	CO	Maintenance	100	-	2,381.35	3,039.87	-14,119.68
Salem, OR	CO	Maintenance	100	-	140.42	179.25	-832.62
Salt Lake City, UT	CO	Maintenance	100	-	247.85	317.66	-1,463.31
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1,209.48	1,545.18	-7,165.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	1,215.91	1,552.12	-7,209.62
San Antonio, TX	Ozone	Former Subpart 1	50	-	2,251.15	2,873.73	-13,347.39
San Bernardino County, CA	PM ₁₀	Moderate	100	-	530.34	676.98	-3,144.59
San Diego, CA	CO	Maintenance	100	-	5,664.16	7,230.35	-33,585.10
San Diego, CA	Ozone	Former Subpart 1	50	-	5,675.33	7,244.60	-33,651.32
San Francisco Bay Area, CA	Ozone	Marginal	50	-	8,048.49	10,291.64	-47,635.47

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	9,038.30	11,555.14	-53,504.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	6,328.20	8,078.84	-37,518.22
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6,342.03	8,096.50	-37,600.21
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6,328.20	8,078.84	-37,518.22
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	44.63	56.97	-264.62
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.75	0.95	-4.43
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	737.24	941.09	-4,371.38
Seattle-Tacoma, WA	CO	Maintenance	100	-	3,661.51	4,673.94	-21,710.56
Sheboygan, WI	Ozone	Moderate	50	-	139.81	178.47	-828.97
Sheridan, WY	PM ₁₀	Moderate	100	-	23.25	29.68	-137.85
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.02	-0.08
Somerville, NJ	CO	Maintenance	100	-	20.64	26.34	-122.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	498.52	636.38	-2,955.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	133.18	170.00	-789.66
Spokane County, WA	PM ₁₀	Maintenance	100	-	360.60	460.31	-2,138.16
Spokane, WA	CO	Maintenance	100	-	356.34	454.86	-2,112.85
Springfield (western MA), MA	Ozone	Moderate	50	-	982.90	1,254.87	-5,827.09
Springfield, MA	CO	Maintenance	100	-	172.56	220.36	-1,022.79
St. Louis, MO	CO	Maintenance	100	-	814.79	1,040.09	-4,831.23
St. Louis, MO-IL	Ozone	Moderate	50	-	2,973.21	3,813.53	-17,539.53
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2,952.88	3,787.58	-17,418.99
State College, PA	Ozone	Maintenance	100	-	210.32	268.48	-1,247.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	27.58	35.20	-163.51
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	40.15	51.25	-238.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	85.06	109.53	-499.60
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	85.06	109.53	-499.60
Stockton, CA	CO	Maintenance	100	-	671.17	856.76	-3,979.66
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.03
Syracuse, NY	CO	Maintenance	100	-	534.17	681.87	-3,167.29

Appendix B

**Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	2.65	3.38	-15.70
Terre Haute, IN	Ozone	Maintenance	100	-	121.94	155.66	-723.04
Tioga County, PA	Ozone	Maintenance	100	-	55.48	70.82	-328.96
Toledo, OH	Ozone	Maintenance	100	-	430.50	576.54	-2,419.34
Toms River, NJ	CO	Maintenance	100	-	134.11	171.20	-795.21
Tooele County, UT	SO _x	Nonattainment	100	-	119.56	152.62	-708.92
Trenton, NJ	CO	Maintenance	100	-	102.16	130.41	-605.77
Trona, CA	PM ₁₀	Moderate	100	-	4.43	5.66	-26.29
Tucson, AZ	CO	Maintenance	100	-	1,254.19	1,600.98	-7,436.59
Utah County, UT	PM ₁₀	Moderate	100	-	612.26	781.56	-3,630.36
Vancouver, WA	CO	Maintenance	100	-	417.59	533.06	-2,476.08
Ventura County, CA	Ozone	Serious	50	-	1,157.64	1,478.18	-6,861.94
Vermillion County, IN	PM ₁₀	Maintenance	100	-	6.89	8.79	-40.83
Vigo County, IN	SO _x	Maintenance	100	-	121.94	155.66	-723.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	61.71	78.77	-365.90
Warren County, NJ	SO _x	Maintenance	100	-	41.34	52.77	-245.11
Warren County, PA	SO _x	Nonattainment	100	-	13.12	16.77	-77.64
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	230.55	294.30	-1,367.03
Washington, DC-MD-VA	CO	Maintenance	100	-	1,869.53	2,386.47	-11,085.19
Washington, DC-MD-VA	Ozone	Moderate	50	-	6,699.30	8,551.71	-39,722.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	6,544.10	8,353.59	-38,802.57
Washoe County, NV	PM ₁₀	Serious	70	-	275.85	352.12	-1,635.60
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	4.26	5.44	-25.28
Wayne County, IN	SO _x	Maintenance	100	-	65.19	83.22	-386.56
Wayne County, MI	PM ₁₀	Maintenance	100	-	127.96	165.47	-748.18
Weirton, WV	PM ₁₀	Maintenance	100	-	6.76	8.64	-40.11
Weirton, WV	SO _x	Maintenance	100	-	9.55	12.19	-56.61
Wheeling, WV-OH	Ozone	Maintenance	100	-	136.22	173.89	-807.70

Table B.1-4
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	136.22	173.89	-807.70
Winston-Salem, NC	CO	Maintenance	100	-	469.43	599.23	-2,783.42
Worcester, MA	CO	Maintenance	100	-	279.33	356.57	-1,656.28
Yakima County, WA	PM ₁₀	Maintenance	100	-	107.78	137.58	-639.08
Yakima, WA	CO	Maintenance	100	-	53.19	67.90	-315.40
York, PA	Ozone	Maintenance	100	-	530.82	677.59	-3,147.44
York, PA	PM _{2.5}	Nonattainment	100	-	410.60	524.13	-2,434.60
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	611.96	781.17	-3,628.54
Yuma, AZ	PM ₁₀	Moderate	100	-	243.92	311.36	-1,446.28

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.68	4.12	19.68
Albuquerque, NM	CO	Maintenance	100	-	1.33	2.03	9.33
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.32	0.49	2.25
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.19	1.84	9.02
Altoona, PA	Ozone	Maintenance	100	-	0.23	0.36	1.65
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.35	0.53	2.42
Anchorage, AK	CO	Maintenance	100	-	0.31	0.47	2.18
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.03	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.02	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.11
Atlanta, GA	Ozone	Moderate	50	-	14.55	22.25	103.31
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	14.56	22.27	103.37
Atlantic City, NJ	CO	Maintenance	100	-	0.12	0.18	0.82
Bakersfield, CA	CO	Maintenance	100	-	-4.44	-5.95	-6.43
Baltimore, MD	CO	Maintenance	100	-	0.01	0.02	0.13
Baltimore, MD	Ozone	Moderate	50	-	6.17	9.49	45.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	6.17	9.49	45.53
Baton Rouge, LA	Ozone	Moderate	50	-	-158.10	-216.82	-379.60
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-445.65	-611.72	-1,086.51
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.40	0.62	2.90
Benzie County, MI	Ozone	Maintenance	100	-	0.05	0.08	0.35
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.33	0.50	2.29
Billings, MT	CO	Maintenance	100	-	-52.97	-72.70	-128.88
Birmingham, AL	Ozone	Maintenance	100	-	-2.76	-3.43	3.80

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.75	-3.42	3.85
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.51	0.81	4.53
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.51	0.81	4.53
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.04	0.06	0.25
Boston, MA	CO	Maintenance	100	-	1.93	2.94	13.54
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	11.45	17.48	80.45
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.45	2.21	10.15
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	0.03	0.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.62	3.99	18.37
Burlington, NJ	CO	Maintenance	100	-	0.02	0.03	0.14
Butte, MT	PM ₁₀	Moderate	100	-	0.05	0.07	0.34
Canon City, CO	PM ₁₀	Maintenance	100	-	0.04	0.06	0.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	-17.38	-23.76	-39.47
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-17.38	-23.76	-39.47
Case County, MI	Ozone	Maintenance	100	-	0.10	0.15	0.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.02	0.10
Charleston, WV	Ozone	Maintenance	100	-	0.64	0.98	4.49
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.64	0.98	4.49
Charlotte, NC	CO	Maintenance	100	-	1.62	2.48	11.39
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3.65	5.57	25.60
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.21	1.85	8.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.10	1.68	7.82
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-278.55	-380.01	-609.65
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-278.01	-379.19	-605.88
Chico, CA	CO	Maintenance	100	-	0.23	0.35	1.61
Chico, CA	Ozone	Former Subpart 1	50	-	0.54	0.82	3.76
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	4.43	6.76	31.08

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	4.30	6.57	30.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.03	0.04	0.22
Clark County, NV	PM ₁₀	Serious	70	-	3.25	4.96	22.82
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.58	0.88	4.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.41	0.62	2.87
Cleveland, OH	CO	Maintenance	100	-	2.17	3.31	15.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	5.85	8.93	41.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	5.40	8.24	37.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.36	2.08	9.55
Colbert County, AL	SO _x	Maintenance	100	-	0.14	0.21	0.97
Colorado Springs, CO	CO	Maintenance	100	-	0.82	1.33	7.94
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	1.46	2.23	10.27
Columbus, OH	Ozone	Maintenance	100	-	3.71	5.66	26.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3.43	5.24	24.11
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.17	3.31	15.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.77	2.70	12.42
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	14.62	22.41	105.58
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.91	2.92	13.41
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.69	2.58	11.87
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-26.27	-35.07	-34.28
Denver-Boulder, CO	CO	Maintenance	100	-	-26.56	-35.50	-36.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-24.94	-33.03	-24.85
Detroit, MI	CO	Maintenance	100	-	-31.01	-42.01	-59.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-33.22	-44.00	-33.63
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-33.41	-44.30	-34.99

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.08	0.12	0.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.08	0.12	0.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.06	0.10	0.44
Duluth, MN	CO	Maintenance	100	-	0.19	0.29	1.31
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	0.03	0.13
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-195.88	-268.86	-477.24
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-19.23	-26.23	-42.12
El Paso, TX	CO	Maintenance	100	-	0.06	0.10	0.48
Erie, PA	Ozone	Maintenance	100	-	0.52	0.79	3.65
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.51	0.78	3.61
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.49	0.75	3.44
Evansville, IN	Ozone	Maintenance	100	-	0.57	0.87	4.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.74	1.13	5.18
Fairbanks, AK	CO	Maintenance	100	-	0.04	0.06	0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.66	1.01	4.66
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.11
Flint, MI	Ozone	Maintenance	100	-	1.18	1.80	8.28
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.39	0.59	2.70
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.82	1.25	5.76
Franklin County, PA	Ozone	Maintenance	100	-	0.34	0.52	2.38
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.29	0.45	2.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.90	1.38	6.32

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.04	0.06	0.26
Fresno, CA	CO	Maintenance	100	-	1.16	1.80	8.76
Grand Rapids, MI	Ozone	Maintenance	100	-	1.80	2.75	12.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.09	0.14	0.65
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.07	0.11	0.50
Great Falls, MT	CO	Maintenance	100	-	0.05	0.07	0.32
Greater Connecticut, CT	Ozone	Moderate	50	-	3.60	5.52	25.89
Greeley, CO	CO	Maintenance	100	-	0.27	0.42	1.91
Green Bay, WI	SO _x	Maintenance	100	-	0.27	0.42	1.93
Greene County, IN	Ozone	Maintenance	100	-	0.11	0.17	0.77
Greene County, PA	Ozone	Maintenance	100	-	0.10	0.16	0.73
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3.50	5.37	25.34
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.65	2.54	12.36
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.86	2.87	13.90
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.05	0.08	0.36
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.26	0.39	1.81
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.82	2.79	13.15
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.67	2.57	12.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.30	3.52	16.71
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.03	0.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.09	0.13	0.60
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.02	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.08	0.12	0.61
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.41	0.62	2.86
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.67	1.02	4.69
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03

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**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-499.11	-683.34	-1,164.28
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-107.25	-147.14	-259.29
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-107.56	-147.62	-261.50
Huron County, MI	Ozone	Maintenance	100	-	0.06	0.10	0.46
Imperial County, CA	Ozone	Moderate	50	-	0.48	0.73	3.34
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.46	0.71	3.26
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.08	0.12	0.53
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	4.46	6.81	31.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3.53	5.39	24.80
Jackson County, IN	Ozone	Maintenance	100	-	0.18	0.27	1.26
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.35	0.54	2.47
Jefferson County, NY	Ozone	Moderate	50	-	0.28	0.43	1.96
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	0.13
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.49	0.75	3.47
Johnstown, PA	Ozone	Maintenance	100	-	0.24	0.36	1.67
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.40	1.83
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.04	0.16
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.14	1.75	8.03
Kalispell, MT	PM ₁₀	Moderate	100	-	0.06	0.10	0.45
Kansas City, MO-KS	Ozone	Maintenance	100	-	3.14	4.88	24.62
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.32	0.49	2.23
Kent, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	0.38
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.19	0.28	1.31
Kewaunee County, WI	Ozone	Maintenance	100	-	0.06	0.09	0.39
King County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.16
Klamath Falls, OR	CO	Maintenance	100	-	0.11	0.17	0.79

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**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.11	0.17	0.79
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.61	3.99	18.34
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.03	3.10	14.27
La Porte County, IN	SO _x	Maintenance	100	-	0.08	0.12	0.56
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.03	0.05	0.24
Lake County, IN	SO _x	Maintenance	100	-	0.60	0.94	4.66
Lake County, OH	SO _x	Maintenance	100	-	0.08	0.12	0.57
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.10
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.06	0.09	0.43
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.13	0.20	0.91
Lake Tahoe, NV	CO	Maintenance	100	-	0.05	0.07	0.32
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.93	1.44	6.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.93	1.44	6.90
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.07	1.64	7.54
LaPorte, IN	Ozone	Maintenance	100	-	0.22	0.34	1.57
Las Vegas, NV	CO	Serious	100	-	3.25	4.96	22.82
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.30	5.04	23.18
Lauderdale County, AL	SO _x	Maintenance	100	-	0.20	0.31	1.41
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.22
Lima, OH	Ozone	Maintenance	100	-	-93.41	-128.22	-227.48
Longmont, CO	CO	Maintenance	100	-	0.20	0.30	1.40
Lorain County, OH	SO _x	Maintenance	100	-	0.10	0.16	0.73

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**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-95.63	-126.11	-79.75
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-95.63	-126.11	-79.75
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-95.63	-126.11	-79.75
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-95.63	-126.11	-79.74
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-95.63	-126.12	-79.76
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.52	2.32	10.68
Louisville, KY-IN	Ozone	Maintenance	100	-	2.56	3.91	17.97
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.48	3.79	17.43
Lowell, MA	CO	Maintenance	100	-	0.25	0.39	1.77
Lucas County, OH	SO _x	Maintenance	100	-	0.69	1.05	4.82
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.14	0.22	1.00
Macon, GA	Ozone	Maintenance	100	-	0.48	0.74	3.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.48	0.73	3.36
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Madison, WI	SO _x	Maintenance	100	-	0.53	0.82	3.75
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.14
Manchester, NH	CO	Maintenance	100	-	0.18	0.27	1.25
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.23	0.35	1.62
Marion County, IN	SO _x	Maintenance	100	-	0.72	1.09	5.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.24	0.37	1.68
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.72	1.09	5.04
Mason County, MI	Ozone	Maintenance	100	-	0.06	0.09	0.41
Medford, OR	CO	Maintenance	100	-	0.17	0.26	1.19
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.40	0.61	2.83
Memphis, TN-AR	Ozone	Maintenance	100	-	-23.22	-31.53	-46.38
Memphis, TN	CO	Maintenance	100	-	-23.41	-31.81	-47.69
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.06	0.10	0.45

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**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	0.08
Milwaukee, WI	SO _x	Maintenance	100	-	1.21	1.84	8.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.99	6.09	28.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-81.86	-111.40	-170.99
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	5.72	8.81	42.54
Missoula, MT	CO	Maintenance	100	-	-0.11	-0.13	0.37
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.12	0.35
Modesto, CA	CO	Maintenance	100	-	0.66	1.01	4.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.22	0.34	1.56
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.05
Morristown, NJ	CO	Maintenance	100	-	0.07	0.11	0.50
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.07	0.10	0.47
Muncie, IN	Ozone	Maintenance	100	-	0.27	0.41	1.89
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.03	0.05	0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.28	0.43	2.01
Nashua, NH	CO	Maintenance	100	-	0.14	0.22	0.99
Nashville, TN	Ozone	Former Subpart 1	50	-	3.46	5.30	25.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.29	0.45	2.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.31	0.47	2.15
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.79	2.73	12.55
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.02	0.10
New York County, NY	PM ₁₀	Moderate	100	-	1.05	1.60	7.38
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-33.40	-43.14	-0.69
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-39.93	-49.69	55.31
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-40.21	-50.11	53.36
Nogales, AZ	PM ₁₀	Moderate	100	-	0.09	0.14	0.64

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**Table B.1-5
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Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-54.58	-74.39	-117.33
Ogden, UT	CO	Maintenance	100	-	0.16	0.24	1.12
Ogden, UT	PM ₁₀	Moderate	100	-	0.16	0.24	1.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.05	0.07	0.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.23	0.36	1.65
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.33	0.50	2.32
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.33	0.51	2.34
Payson, AZ	PM ₁₀	Maintenance	100	-	0.04	0.07	0.30
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.10	0.18	1.30
Perth Amboy, NJ	CO	Maintenance	100	-	-21.78	-29.87	-52.52
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.90	1.38	6.33
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-178.74	-243.86	-391.51
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-174.34	-237.09	-359.32
Phoenix, AZ	CO	Maintenance	100	-	9.62	14.71	68.60
Phoenix, AZ	PM ₁₀	Serious	70	-	9.93	15.19	70.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	9.96	15.24	71.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	0.17
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.04	0.07	0.34
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	4.26	6.55	31.30
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	3.87	5.96	28.55
Polk County, TN	SO _x	Maintenance	100	-	0.05	0.07	0.33
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Portland, ME	Ozone	Maintenance	100	-	0.82	1.32	7.77

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Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	2.29	3.54	17.56
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.10	0.15	0.70
Poughkeepsie, NY	Ozone	Moderate	50	-	2.98	4.55	20.91
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	0.03	0.15
Providence (entire State), RI	Ozone	Moderate	50	-	1.64	2.59	14.07
Provo, UT	CO	Maintenance	100	-	0.35	0.54	2.49
Raleigh-Durham, NC	CO	Maintenance	100	-	2.77	4.24	19.87
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.81	5.83	27.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Reading, PA	Ozone	Maintenance	100	-	0.75	1.15	5.28
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.75	1.15	5.28
Reno, NV	CO	Maintenance	100	-	0.55	0.84	3.85
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.42	3.74	18.54
Rillito, AZ	PM ₁₀	Moderate	100	-	0.10	0.16	0.74
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.36	2.08	9.55
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.60	0.91	4.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.18	0.27	1.25
Rochester, NY	Ozone	Former Subpart 1	50	-	3.02	4.61	21.21
Rocky Mount, NC	Ozone	Maintenance	100	-	0.42	0.65	2.97
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.27	0.42	1.91
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.21	4.89	22.51
Sacramento Metro, CA	Ozone	Severe	25	-	5.39	8.27	39.32
Sacramento, CA	CO	Maintenance	100	-	3.52	5.39	24.92
Salem, OR	CO	Maintenance	100	-	0.30	0.45	2.09
Salt Lake City, UT	CO	Maintenance	100	-	-10.04	-13.71	-22.41

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-8.22	-10.93	-9.62
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.29	3.50	16.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	3.46	5.38	27.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.94	1.44	6.62
San Diego, CA	CO	Maintenance	100	-	8.86	13.54	62.77
San Diego, CA	Ozone	Former Subpart 1	50	-	8.87	13.57	62.89
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-254.95	-347.87	-559.61
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-253.05	-344.98	-546.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.17	7.22	54.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.21	7.29	55.29
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.17	7.22	54.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.07	0.11	0.51
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.51	2.31	10.60
Seattle-Tacoma, WA	CO	Maintenance	100	-	6.61	10.09	46.40
Sheboygan, WI	Ozone	Moderate	50	-	0.26	0.40	1.86
Sheridan, WY	PM ₁₀	Moderate	100	-	0.05	0.08	0.35
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.04	0.06	0.27
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.85	1.33	6.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.41	0.62	2.87
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.66	1.00	4.62
Spokane, WA	CO	Maintenance	100	-	0.65	0.99	4.57
Springfield (western MA), MA	Ozone	Moderate	50	-	1.79	2.77	13.59
Springfield, MA	CO	Maintenance	100	-	0.24	0.38	2.06
St. Louis, MO	CO	Maintenance	100	-	2.14	3.27	15.03
St. Louis, MO-IL	Ozone	Moderate	50	-	-144.82	-197.79	-323.55
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-144.86	-197.86	-323.87

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.38	0.58	2.65
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.06	0.27
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.10	0.15	0.69
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.29	-7.23	-11.93
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.29	-7.23	-11.93
Stockton, CA	CO	Maintenance	100	-	1.00	1.52	7.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.17	1.79	8.21
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.31	0.47	2.14
Tioga County, PA	Ozone	Maintenance	100	-	0.13	0.20	0.91
Toledo, OH	Ozone	Maintenance	100	-	-89.11	-122.15	-212.36
Toms River, NJ	CO	Maintenance	100	-	0.22	0.33	1.52
Tooele County, UT	SO _x	Nonattainment	100	-	0.22	0.34	1.58
Trenton, NJ	CO	Maintenance	100	-	0.20	0.30	1.39
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Tucson, AZ	CO	Maintenance	100	-	2.19	3.34	15.34
Utah County, UT	PM ₁₀	Moderate	100	-	1.07	1.63	7.48
Vancouver, WA	CO	Maintenance	100	-	0.67	1.03	4.72
Ventura County, CA	Ozone	Serious	50	-	1.56	2.42	12.10
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.03	0.12
Vigo County, IN	SO _x	Maintenance	100	-	0.31	0.47	2.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.13	0.19	0.90
Warren County, NJ	SO _x	Maintenance	100	-	0.08	0.12	0.56
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.48	0.73	3.38
Washington, DC-MD-VA	CO	Maintenance	100	-	3.51	5.36	24.66

Appendix B

**Table B.1-5
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	11.91	18.18	83.62
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	11.67	17.81	81.92
Washoe County, NV	PM ₁₀	Serious	70	-	0.55	0.84	3.85
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.17	0.26	1.17
Wayne County, MI	PM ₁₀	Maintenance	100	-	-22.66	-31.08	-54.71
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	0.03	0.16
Weirton, WV	SO _x	Maintenance	100	-	0.03	0.05	0.21
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.35	0.53	2.44
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.35	0.53	2.44
Winston-Salem, NC	CO	Maintenance	100	-	0.92	1.41	6.47
Worcester, MA	CO	Maintenance	100	-	0.48	0.73	3.37
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.21	0.32	1.46
Yakima, WA	CO	Maintenance	100	-	0.08	0.13	0.58
York, PA	Ozone	Maintenance	100	-	0.99	1.51	6.95
York, PA	PM _{2.5}	Nonattainment	100	-	0.77	1.18	5.41
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.47	2.25	10.35
Yuma, AZ	PM ₁₀	Moderate	100	-	0.40	0.62	2.84

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	0.04	0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.04	0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	6.57	10.74	50.91
Albuquerque, NM	CO	Maintenance	100	-	3.21	5.23	23.71
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.79	1.29	5.86
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	2.93	4.81	23.47
Altoona, PA	Ozone	Maintenance	100	-	0.55	0.90	4.09
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.91	1.48	6.69
Anchorage, AK	CO	Maintenance	100	-	0.77	1.26	5.72
Anthony, NM	PM ₁₀	Moderate	100	-	0.04	0.07	0.30
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.04	0.20
Aspen, CO	PM ₁₀	Maintenance	100	-	0.04	0.06	0.28
Atlanta, GA	Ozone	Moderate	50	-	35.97	58.64	268.82
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	35.99	58.68	268.96
Atlantic City, NJ	CO	Maintenance	100	-	0.28	0.46	2.07
Bakersfield, CA	CO	Maintenance	100	-	-9.27	-13.56	2.61
Baltimore, MD	CO	Maintenance	100	-	0.02	0.04	0.37
Baltimore, MD	Ozone	Moderate	50	-	15.25	24.97	118.94
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	15.25	24.97	118.94
Baton Rouge, LA	Ozone	Moderate	50	-	-340.86	-509.86	-419.06
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-961.79	-1,439.82	-1,236.06
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	0.95	1.55	7.20
Benzie County, MI	Ozone	Maintenance	100	-	0.12	0.20	0.92
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.80	1.30	5.90
Billings, MT	CO	Maintenance	100	-	-114.29	-171.08	-146.05
Birmingham, AL	Ozone	Maintenance	100	-	-5.41	-7.38	26.58

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-5.40	-7.35	26.71
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.31	2.20	12.48
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.31	2.20	12.48
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.09	0.15	0.67
Boston, MA	CO	Maintenance	100	-	4.64	7.56	34.29
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	27.79	45.26	205.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	3.54	5.77	26.16
Boyd County (part), KY	SO _x	Maintenance	100	-	0.05	0.09	0.39
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	6.28	10.23	46.38
Burlington, NJ	CO	Maintenance	100	-	0.04	0.07	0.33
Butte, MT	PM ₁₀	Moderate	100	-	0.11	0.18	0.84
Canon City, CO	PM ₁₀	Maintenance	100	-	0.11	0.17	0.78
Canton-Massillon, OH	Ozone	Maintenance	100	-	-37.37	-55.75	-38.80
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-37.37	-55.75	-38.80
Case County, MI	Ozone	Maintenance	100	-	0.24	0.39	1.75
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.03	0.06	0.26
Charleston, WV	Ozone	Maintenance	100	-	1.51	2.45	11.12
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.51	2.45	11.12
Charlotte, NC	CO	Maintenance	100	-	4.01	6.54	29.63
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	8.97	14.62	66.27
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	2.91	4.75	21.88
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	2.65	4.32	19.91
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-596.80	-888.56	-541.04
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-595.49	-886.43	-531.36
Chico, CA	CO	Maintenance	100	-	0.59	0.97	4.38
Chico, CA	Ozone	Former Subpart 1	50	-	1.37	2.22	10.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	10.74	17.49	79.29

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	10.42	16.98	76.97
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.07	0.11	0.55
Clark County, NV	PM ₁₀	Serious	70	-	8.19	13.34	60.47
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.41	2.30	10.44
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.98	1.60	7.24
Cleveland, OH	CO	Maintenance	100	-	5.09	8.29	37.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	14.01	22.82	103.48
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	12.92	21.05	95.42
Coachella Valley, CA	PM ₁₀	Serious	70	-	3.49	5.68	25.76
Colbert County, AL	SO _x	Maintenance	100	-	0.32	0.53	2.40
Colorado Springs, CO	CO	Maintenance	100	-	2.20	3.72	22.47
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.22
Columbia, SC	Ozone	Former Subpart 1	50	-	3.54	5.77	26.17
Columbus, OH	Ozone	Maintenance	100	-	9.16	14.92	67.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	8.50	13.84	62.74
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	5.09	8.29	37.61
Cuyahoga County, OH	SO _x	Maintenance	100	-	4.16	6.78	30.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	36.61	59.81	278.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	4.55	7.41	33.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	4.02	6.55	29.69
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-54.62	-79.65	28.04
Denver-Boulder, CO	CO	Maintenance	100	-	-55.33	-80.80	22.81
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-51.31	-74.25	52.69
Detroit, MI	CO	Maintenance	100	-	-65.88	-97.51	-32.92
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-69.00	-100.01	63.71
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-69.47	-100.77	60.25

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.20	0.33	1.48
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.19	0.31	1.42
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.15	0.25	1.13
Duluth, MN	CO	Maintenance	100	-	0.44	0.72	3.27
Eagle River, AK	PM ₁₀	Moderate	100	-	0.05	0.08	0.35
East Chicago, IN	CO	Maintenance	100	-	0.01	0.01	0.04
East Chicago, IN	PM ₁₀	Maintenance	100	-	-422.72	-632.80	-542.27
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-41.19	-61.33	-37.40
El Paso, TX	CO	Maintenance	100	-	0.15	0.25	1.24
Erie, PA	Ozone	Maintenance	100	-	1.24	2.02	9.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Eugene-Springfield, OR	CO	Maintenance	100	-	1.25	2.04	9.26
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.20	1.95	8.85
Evansville, IN	Ozone	Maintenance	100	-	1.38	2.25	10.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.77	2.89	13.10
Fairbanks, AK	CO	Maintenance	100	-	0.09	0.15	0.70
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.61	2.62	11.86
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.29
Flint, MI	Ozone	Maintenance	100	-	2.83	4.60	20.88
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	0.96	1.57	7.11
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	1.99	3.24	14.67
Franklin County, PA	Ozone	Maintenance	100	-	0.83	1.35	6.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.71	1.16	5.25
Fredericksburg, VA	Ozone	Maintenance	100	-	2.26	3.68	16.70

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.09	0.15	0.70
Fresno, CA	CO	Maintenance	100	-	2.94	4.83	23.38
Grand Rapids, MI	Ozone	Maintenance	100	-	4.42	7.20	32.66
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.21	0.35	1.63
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.11
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.18	0.29	1.32
Great Falls, MT	CO	Maintenance	100	-	0.11	0.17	0.78
Greater Connecticut, CT	Ozone	Moderate	50	-	8.67	14.15	65.72
Greeley, CO	CO	Maintenance	100	-	0.67	1.09	4.96
Green Bay, WI	SO _x	Maintenance	100	-	0.67	1.09	4.94
Greene County, IN	Ozone	Maintenance	100	-	0.26	0.43	1.95
Greene County, PA	Ozone	Maintenance	100	-	0.25	0.40	1.82
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	8.47	13.84	64.77
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	4.00	6.56	31.79
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	4.49	7.36	35.55
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.12	0.20	0.91
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.63	1.02	4.63
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	4.48	7.32	34.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	4.12	6.74	31.53
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	5.51	9.01	42.40
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.05	0.09	0.40
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.21	0.35	1.58
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.03	0.04	0.20
Hazelwood, PA	SO _x	Maintenance	100	-	0.19	0.31	1.58
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.97	1.58	7.15
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.60	2.60	11.79
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	0.09

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,073.75	-1,603.72	-1,208.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.11
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-231.36	-346.20	-290.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-232.11	-347.43	-296.05
Huron County, MI	Ozone	Maintenance	100	-	0.15	0.25	1.14
Imperial County, CA	Ozone	Moderate	50	-	1.19	1.95	8.82
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.17	1.90	8.63
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.18	0.30	1.35
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.01	0.04
Indianapolis, IN	Ozone	Maintenance	100	-	10.92	17.78	80.61
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	8.65	14.09	63.89
Jackson County, IN	Ozone	Maintenance	100	-	0.43	0.70	3.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.84	1.38	6.24
Jefferson County, NY	Ozone	Moderate	50	-	0.67	1.10	4.97
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.04	0.07	0.31
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.18	1.92	8.70
Johnstown, PA	Ozone	Maintenance	100	-	0.55	0.89	4.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.60	0.98	4.45
Juneau, AK	PM ₁₀	Moderate	100	-	0.06	0.10	0.43
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	2.75	4.47	20.27
Kalispell, MT	PM ₁₀	Moderate	100	-	0.16	0.26	1.18
Kansas City, MO-KS	Ozone	Maintenance	100	-	7.86	12.96	65.45
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.78	1.27	5.77
Kent, WA	PM ₁₀	Maintenance	100	-	0.14	0.22	1.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.45	0.73	3.33
Kewaunee County, WI	Ozone	Maintenance	100	-	0.13	0.22	0.99
King County, WA	PM ₁₀	Maintenance	100	-	0.06	0.09	0.41
Klamath Falls, OR	CO	Maintenance	100	-	0.27	0.44	1.99

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.27	0.44	1.99
Knoxville, TN	Ozone	Former Subpart 1	50	-	6.48	10.55	47.82
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	5.01	8.16	37.00
La Porte County, IN	SO _x	Maintenance	100	-	0.19	0.31	1.39
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.08	0.13	0.60
Lake County, IN	SO _x	Maintenance	100	-	1.45	2.40	11.96
Lake County, OH	SO _x	Maintenance	100	-	0.19	0.32	1.43
Lake County, OR	PM ₁₀	Maintenance	100	-	0.03	0.05	0.24
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.16	0.26	1.18
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.34	0.56	2.53
Lake Tahoe, NV	CO	Maintenance	100	-	0.11	0.18	0.81
Lamar, CO	PM ₁₀	Maintenance	100	-	0.05	0.08	0.36
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Lancaster, PA	Ozone	Maintenance	100	-	2.29	3.75	17.91
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.29	3.75	17.91
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	2.60	4.23	19.17
LaPorte, IN	Ozone	Maintenance	100	-	0.53	0.86	3.90
Las Vegas, NV	CO	Serious	100	-	8.19	13.34	60.47
Las Vegas, NV	Ozone	Former Subpart 1	50	-	8.31	13.53	61.36
Lauderdale County, AL	SO _x	Maintenance	100	-	0.48	0.78	3.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.02	0.07
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.18
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.23
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.11	0.55
Lima, OH	Ozone	Maintenance	100	-	-201.59	-301.77	-258.24
Longmont, CO	CO	Maintenance	100	-	0.50	0.81	3.67
Lorain County, OH	SO _x	Maintenance	100	-	0.25	0.41	1.85

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-196.07	-282.67	251.45
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-196.07	-282.67	251.45
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-196.07	-282.67	251.45
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-196.07	-282.67	251.46
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-196.08	-282.68	251.42
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	3.77	6.14	27.82
Louisville, KY-IN	Ozone	Maintenance	100	-	6.14	10.00	45.34
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	5.94	9.67	43.86
Lowell, MA	CO	Maintenance	100	-	0.62	1.01	4.56
Lucas County, OH	SO _x	Maintenance	100	-	1.62	2.65	12.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.33	0.54	2.49
Macon, GA	Ozone	Maintenance	100	-	1.14	1.86	8.41
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.13	1.84	8.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Madison, WI	SO _x	Maintenance	100	-	1.34	2.17	9.86
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.05	0.08	0.38
Manchester, NH	CO	Maintenance	100	-	0.42	0.68	3.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.55	0.90	4.07
Marion County, IN	SO _x	Maintenance	100	-	1.70	2.77	12.56
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.61	1.00	4.53
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.74	2.83	12.82
Mason County, MI	Ozone	Maintenance	100	-	0.14	0.23	1.06
Medford, OR	CO	Maintenance	100	-	0.43	0.69	3.14
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.01	1.65	7.49
Memphis, TN-AR	Ozone	Maintenance	100	-	-49.62	-73.59	-31.42
Memphis, TN	CO	Maintenance	100	-	-50.06	-74.30	-34.64
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.16	0.26	1.18

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**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.04	0.20
Milwaukee, WI	SO _x	Maintenance	100	-	2.87	4.68	21.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	9.69	15.78	71.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-174.86	-259.76	-131.59
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	14.14	23.17	111.23
Missoula, MT	CO	Maintenance	100	-	-0.19	-0.24	1.79
Missoula, MT	PM ₁₀	Moderate	100	-	-0.18	-0.23	1.73
Modesto, CA	CO	Maintenance	100	-	1.68	2.74	12.44
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.57	0.92	4.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.13
Morristown, NJ	CO	Maintenance	100	-	0.18	0.29	1.31
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.16	0.26	1.17
Muncie, IN	Ozone	Maintenance	100	-	0.63	1.03	4.65
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.04	0.18
Muscatine County, IA	SO _x	Maintenance	100	-	0.08	0.13	0.61
Muskegon, MI	Ozone	Maintenance	100	-	0.68	1.11	5.17
Nashua, NH	CO	Maintenance	100	-	0.34	0.55	2.48
Nashville, TN	Ozone	Former Subpart 1	50	-	8.54	13.96	65.36
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.77	1.25	5.67
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.76	1.23	5.59
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	4.28	6.96	31.58
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.03	0.05	0.24
New York County, NY	PM ₁₀	Moderate	100	-	2.48	4.04	18.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-67.78	-95.90	171.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-77.58	-105.55	391.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-78.26	-106.66	386.22
Nogales, AZ	PM ₁₀	Moderate	100	-	0.22	0.36	1.64

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**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-116.92	-173.94	-99.78
Ogden, UT	CO	Maintenance	100	-	0.38	0.62	2.82
Ogden, UT	PM ₁₀	Moderate	100	-	0.38	0.62	2.82
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.10
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.11	0.19	0.85
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.58	0.95	4.32
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.79	1.28	5.82
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.79	1.29	5.86
Payson, AZ	PM ₁₀	Maintenance	100	-	0.11	0.17	0.78
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.27	0.47	3.66
Perth Amboy, NJ	CO	Maintenance	100	-	-46.95	-70.24	-58.38
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.12	3.45	15.67
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-383.36	-570.85	-351.03
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-372.64	-553.31	-268.17
Phoenix, AZ	CO	Maintenance	100	-	25.15	41.02	188.83
Phoenix, AZ	PM ₁₀	Serious	70	-	25.92	42.29	194.59
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	26.01	42.43	195.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.06	0.09	0.43
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Pittsburgh, PA	CO	Maintenance	100	-	0.11	0.18	0.91
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	10.24	16.77	79.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	9.31	15.25	72.68
Polk County, TN	SO _x	Maintenance	100	-	0.11	0.19	0.84
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.12
Portland, ME	Ozone	Maintenance	100	-	2.10	3.54	21.31

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**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	5.59	9.20	45.65
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.24	0.39	1.76
Poughkeepsie, NY	Ozone	Moderate	50	-	7.44	12.11	54.91
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.05	0.08	0.37
Providence (entire State), RI	Ozone	Moderate	50	-	4.16	6.93	38.00
Provo, UT	CO	Maintenance	100	-	0.89	1.44	6.55
Raleigh-Durham, NC	CO	Maintenance	100	-	6.89	11.25	52.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	9.47	15.45	71.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Reading, PA	Ozone	Maintenance	100	-	1.81	2.95	13.38
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.81	2.95	13.38
Reno, NV	CO	Maintenance	100	-	1.33	2.16	9.82
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	5.93	9.75	48.25
Rillito, AZ	PM ₁₀	Moderate	100	-	0.27	0.43	1.96
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	3.49	5.68	25.76
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.43	2.32	10.53
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.44	0.71	3.23
Rochester, NY	Ozone	Former Subpart 1	50	-	7.28	11.86	53.76
Rocky Mount, NC	Ozone	Maintenance	100	-	1.01	1.65	7.46
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.65	1.06	4.82
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.02	0.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	8.15	13.27	60.15
Sacramento Metro, CA	Ozone	Severe	25	-	13.94	22.80	107.24
Sacramento, CA	CO	Maintenance	100	-	9.00	14.68	67.01
Salem, OR	CO	Maintenance	100	-	0.71	1.16	5.27
Salt Lake City, UT	CO	Maintenance	100	-	-21.54	-32.09	-20.94

Appendix B

**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-17.09	-24.85	11.91
Salt Lake County, UT	SO _x	Nonattainment	100	-	5.60	9.13	41.38
San Antonio, TX	Ozone	Former Subpart 1	50	-	8.68	14.32	72.83
San Bernardino County, CA	PM ₁₀	Moderate	100	-	2.34	3.82	17.30
San Diego, CA	CO	Maintenance	100	-	22.35	36.44	166.73
San Diego, CA	Ozone	Former Subpart 1	50	-	22.39	36.51	167.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-545.84	-812.73	-496.82
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-541.21	-805.18	-462.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	12.63	22.17	167.18
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	12.74	22.33	167.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	12.63	22.17	167.18
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.18	0.30	1.35
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	3.64	5.93	26.88
Seattle-Tacoma, WA	CO	Maintenance	100	-	16.27	26.49	120.12
Sheboygan, WI	Ozone	Moderate	50	-	0.65	1.05	4.77
Sheridan, WY	PM ₁₀	Moderate	100	-	0.12	0.19	0.88
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.09	0.15	0.70
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.10	3.46	17.69
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.94	1.53	7.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.62	2.63	11.93
Spokane, WA	CO	Maintenance	100	-	1.60	2.61	11.81
Springfield (western MA), MA	Ozone	Moderate	50	-	4.37	7.18	35.23
Springfield, MA	CO	Maintenance	100	-	0.60	1.00	5.54
St. Louis, MO	CO	Maintenance	100	-	4.98	8.12	36.80
St. Louis, MO-IL	Ozone	Moderate	50	-	-311.08	-463.67	-306.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-311.18	-463.85	-306.91

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**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.93	1.51	6.86
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.10	0.16	0.74
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.23	0.38	1.71
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.38	-16.97	-11.60
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.38	-16.97	-11.60
Stockton, CA	CO	Maintenance	100	-	2.53	4.12	18.69
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	2.79	4.55	20.62
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
Terre Haute, IN	Ozone	Maintenance	100	-	0.72	1.16	5.28
Tioga County, PA	Ozone	Maintenance	100	-	0.31	0.50	2.26
Toledo, OH	Ozone	Maintenance	100	-	-192.08	-287.21	-231.33
Toms River, NJ	CO	Maintenance	100	-	0.54	0.88	3.99
Tooele County, UT	SO _x	Nonattainment	100	-	0.55	0.89	4.05
Trenton, NJ	CO	Maintenance	100	-	0.48	0.78	3.55
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.13
Tucson, AZ	CO	Maintenance	100	-	5.41	8.81	39.94
Utah County, UT	PM ₁₀	Moderate	100	-	2.64	4.30	19.49
Vancouver, WA	CO	Maintenance	100	-	1.69	2.76	12.50
Ventura County, CA	Ozone	Serious	50	-	4.03	6.63	33.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.04	0.06	0.29
Vigo County, IN	SO _x	Maintenance	100	-	0.72	1.16	5.28
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.31	0.50	2.27
Warren County, NJ	SO _x	Maintenance	100	-	0.20	0.32	1.44
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	-0.06	0.42
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.16	1.88	8.54
Washington, DC-MD-VA	CO	Maintenance	100	-	8.52	13.87	62.90

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**Table B.1-6
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	29.38	47.85	216.94
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	28.77	46.85	212.42
Washoe County, NV	PM ₁₀	Serious	70	-	1.33	2.16	9.82
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.04	0.16
Wayne County, IN	SO _x	Maintenance	100	-	0.39	0.64	2.88
Wayne County, MI	PM ₁₀	Maintenance	100	-	-48.95	-73.24	-61.15
Weirton, WV	PM ₁₀	Maintenance	100	-	0.05	0.09	0.39
Weirton, WV	SO _x	Maintenance	100	-	0.07	0.11	0.51
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.81	1.32	6.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.81	1.32	6.00
Winston-Salem, NC	CO	Maintenance	100	-	2.24	3.64	16.50
Worcester, MA	CO	Maintenance	100	-	1.18	1.93	8.75
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.51	0.82	3.74
Yakima, WA	CO	Maintenance	100	-	0.21	0.34	1.54
York, PA	Ozone	Maintenance	100	-	2.42	3.94	17.88
York, PA	PM _{2.5}	Nonattainment	100	-	1.88	3.07	13.90
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	3.47	5.65	25.63
Yuma, AZ	PM ₁₀	Moderate	100	-	1.01	1.65	7.46

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.04	0.05	0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.09	0.12	0.14
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.09	0.12	0.14
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	25.99	34.36	42.80
Albuquerque, NM	CO	Maintenance	100	-	12.27	16.28	19.50
Allegan County, MI	Ozone	Former Subpart 1	50	-	3.26	4.33	5.18
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	11.71	15.44	19.73
Altoona, PA	Ozone	Maintenance	100	-	1.98	2.62	3.15
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	4.25	5.64	6.75
Anchorage, AK	CO	Maintenance	100	-	3.18	4.23	5.06
Anthony, NM	PM ₁₀	Moderate	100	-	0.15	0.20	0.24
Armstrong County, PA	SO _x	Nonattainment	100	-	0.10	0.14	0.16
Aspen, CO	PM ₁₀	Maintenance	100	-	0.15	0.21	0.25
Atlanta, GA	Ozone	Moderate	50	-	146.12	193.80	234.27
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	146.18	193.88	234.37
Atlantic City, NJ	CO	Maintenance	100	-	1.04	1.38	1.65
Bakersfield, CA	CO	Maintenance	100	-	-18.76	-29.09	13.56
Baltimore, MD	CO	Maintenance	100	-	0.12	0.15	0.32
Baltimore, MD	Ozone	Moderate	50	-	61.98	81.92	102.41
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	61.98	81.92	102.41
Baton Rouge, LA	Ozone	Moderate	50	-	-829.98	-1,225.20	-38.42
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,354.75	-3,470.96	-161.50
Benton County, TN	SO _x	Maintenance	100	-	0.02	0.03	0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	3.36	4.44	5.45
Benzie County, MI	Ozone	Maintenance	100	-	0.54	0.72	0.86
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	3.18	4.22	5.06
Billings, MT	CO	Maintenance	100	-	-279.60	-412.22	-18.32
Birmingham, AL	Ozone	Maintenance	100	-	-6.29	-12.26	30.64

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-6.22	-12.17	30.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	6.00	7.79	11.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	6.00	7.79	11.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.39	0.52	0.62
Boston, MA	CO	Maintenance	100	-	17.56	23.31	27.93
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	107.37	142.54	170.81
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	14.05	18.66	22.34
Boyd County (part), KY	SO _x	Maintenance	100	-	0.19	0.25	0.30
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	23.53	31.24	37.41
Burlington, NJ	CO	Maintenance	100	-	0.14	0.19	0.23
Butte, MT	PM ₁₀	Moderate	100	-	0.39	0.51	0.62
Canon City, CO	PM ₁₀	Maintenance	100	-	0.45	0.59	0.71
Canton-Massillon, OH	Ozone	Maintenance	100	-	-89.68	-133.00	2.26
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-89.68	-133.00	2.26
Case County, MI	Ozone	Maintenance	100	-	0.89	1.18	1.41
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.02	0.02	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.12	0.15	0.18
Charleston, WV	Ozone	Maintenance	100	-	5.32	7.07	8.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	5.32	7.07	8.46
Charlotte, NC	CO	Maintenance	100	-	16.33	21.68	25.96
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	36.05	47.87	57.32
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	10.99	14.57	17.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	10.09	13.37	16.26
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,405.70	-2,093.44	125.94
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,400.57	-2,086.63	134.10
Chico, CA	CO	Maintenance	100	-	2.73	3.62	4.34
Chico, CA	Ozone	Former Subpart 1	50	-	5.99	7.96	9.53
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	41.42	54.98	65.84

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	40.14	53.29	63.81
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.23	0.30	0.40
Clark County, NV	PM ₁₀	Serious	70	-	34.97	46.42	55.59
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	5.67	7.53	9.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	3.67	4.87	5.83
Cleveland, OH	CO	Maintenance	100	-	17.75	23.56	28.22
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	52.19	69.28	82.96
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	47.91	63.61	76.17
Coachella Valley, CA	PM ₁₀	Serious	70	-	15.54	20.63	24.70
Colbert County, AL	SO _x	Maintenance	100	-	1.13	1.49	1.79
Colorado Springs, CO	CO	Maintenance	100	-	10.82	14.00	20.99
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.13	0.17	0.20
Columbia, SC	Ozone	Former Subpart 1	50	-	13.66	18.13	21.71
Columbus, OH	Ozone	Maintenance	100	-	37.26	49.46	59.23
Columbus, OH	PM _{2.5}	Nonattainment	100	-	34.64	45.98	55.06
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	0.09
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	17.75	23.57	28.22
Cuyahoga County, OH	SO _x	Maintenance	100	-	14.76	19.59	23.46
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	154.07	204.04	250.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	16.63	22.07	26.43
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	14.65	19.44	23.28
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-107.22	-167.71	92.96
Denver-Boulder, CO	CO	Maintenance	100	-	-110.14	-171.58	88.32
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-93.56	-149.58	114.79
Detroit, MI	CO	Maintenance	100	-	-148.49	-223.21	34.77
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-134.52	-212.29	136.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-136.33	-214.68	133.31

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.80	1.07	1.28
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.72	0.95	1.14
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.58	0.77	0.92
Duluth, MN	CO	Maintenance	100	-	1.60	2.12	2.54
Eagle River, AK	PM ₁₀	Moderate	100	-	0.20	0.26	0.31
East Chicago, IN	CO	Maintenance	100	-	0.02	0.02	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,034.75	-1,525.34	-70.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.02	0.03	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-96.98	-144.42	8.71
El Paso, TX	CO	Maintenance	100	-	0.61	0.81	1.03
Erie, PA	Ozone	Maintenance	100	-	4.55	6.05	7.24
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.06
Eugene-Springfield, OR	CO	Maintenance	100	-	4.95	6.57	7.87
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	4.74	6.29	7.54
Evansville, IN	Ozone	Maintenance	100	-	5.21	6.92	8.29
Evansville, IN	PM _{2.5}	Nonattainment	100	-	6.65	8.83	10.57
Fairbanks, AK	CO	Maintenance	100	-	0.39	0.52	0.62
Fayetteville, NC	Ozone	Former Subpart 1	50	-	6.16	8.18	9.79
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.16	0.22	0.26
Flint, MI	Ozone	Maintenance	100	-	10.53	13.98	16.74
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.02	0.03	0.03
Fort Collins, CO	CO	Maintenance	100	-	4.03	5.35	6.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	7.63	10.14	12.14
Franklin County, PA	Ozone	Maintenance	100	-	3.26	4.32	5.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.02	0.02	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	2.74	3.64	4.36
Fredericksburg, VA	Ozone	Maintenance	100	-	9.57	12.71	15.22

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.41	0.55	0.66
Fresno, CA	CO	Maintenance	100	-	12.56	16.58	20.94
Grand Rapids, MI	Ozone	Maintenance	100	-	17.68	23.47	28.11
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.76	1.01	1.24
Grant County, NM	SO _x	Maintenance	100	-	0.05	0.07	0.08
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.75	1.00	1.19
Great Falls, MT	CO	Maintenance	100	-	0.36	0.48	0.57
Greater Connecticut, CT	Ozone	Moderate	50	-	32.70	43.31	53.02
Greeley, CO	CO	Maintenance	100	-	2.71	3.59	4.30
Green Bay, WI	SO _x	Maintenance	100	-	2.61	3.47	4.15
Greene County, IN	Ozone	Maintenance	100	-	1.01	1.34	1.61
Greene County, PA	Ozone	Maintenance	100	-	0.91	1.21	1.45
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	32.53	43.05	53.07
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	15.47	20.40	25.96
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	17.08	22.54	28.63
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.46	0.61	0.73
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	2.42	3.21	3.85
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	18.08	23.94	29.41
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	16.64	22.03	27.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	20.64	27.30	33.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.23	0.30	0.36
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.90	1.20	1.43
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.10	0.14	0.16
Hazelwood, PA	SO _x	Maintenance	100	-	0.75	0.98	1.30
Hickory, NC	PM _{2.5}	Nonattainment	100	-	3.52	4.67	5.59
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	5.91	7.85	9.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.03	0.04	0.07

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,585.27	-3,827.24	-6.05
Humphreys County, TN	SO _x	Maintenance	100	-	0.06	0.08	0.09
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-565.14	-833.62	-32.61
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-567.99	-837.41	-37.14
Huron County, MI	Ozone	Maintenance	100	-	0.57	0.75	0.90
Imperial County, CA	Ozone	Moderate	50	-	5.06	6.72	8.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	4.96	6.58	7.88
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.67	0.89	1.07
Indianapolis, IN	CO	Maintenance	100	-	0.02	0.02	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	43.21	57.37	68.70
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	34.33	45.58	54.57
Jackson County, IN	Ozone	Maintenance	100	-	1.61	2.14	2.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	3.16	4.19	5.02
Jefferson County, NY	Ozone	Moderate	50	-	2.54	3.38	4.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.14	0.19	0.22
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	4.35	5.77	6.91
Johnstown, PA	Ozone	Maintenance	100	-	1.80	2.39	2.86
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	1.98	2.63	3.15
Juneau, AK	PM ₁₀	Moderate	100	-	0.26	0.34	0.41
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	10.29	13.66	16.36
Kalispell, MT	PM ₁₀	Moderate	100	-	0.67	0.88	1.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	33.07	43.46	57.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	3.12	4.14	4.96
Kent, WA	PM ₁₀	Maintenance	100	-	0.57	0.76	0.91
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	1.71	2.27	2.71
Kewaunee County, WI	Ozone	Maintenance	100	-	0.50	0.66	0.79
King County, WA	PM ₁₀	Maintenance	100	-	0.23	0.30	0.36
Klamath Falls, OR	CO	Maintenance	100	-	0.99	1.32	1.58

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.99	1.32	1.58
Knoxville, TN	Ozone	Former Subpart 1	50	-	26.53	35.22	42.18
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	20.23	26.86	32.17
La Porte County, IN	SO _x	Maintenance	100	-	0.67	0.89	1.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.31	0.41	0.49
Lake County, IN	SO _x	Maintenance	100	-	5.50	7.24	9.48
Lake County, OH	SO _x	Maintenance	100	-	0.72	0.96	1.15
Lake County, OR	PM ₁₀	Maintenance	100	-	0.12	0.16	0.19
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.76	1.01	1.21
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	1.66	2.21	2.64
Lake Tahoe, NV	CO	Maintenance	100	-	0.42	0.56	0.67
Lamar, CO	PM ₁₀	Maintenance	100	-	0.18	0.23	0.28
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.03	0.04	0.04
Lancaster, PA	Ozone	Maintenance	100	-	9.16	12.10	15.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	9.16	12.10	15.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.03	0.04	0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	9.91	13.16	15.76
LaPorte, IN	Ozone	Maintenance	100	-	1.88	2.49	2.99
Las Vegas, NV	CO	Serious	100	-	34.97	46.42	55.59
Las Vegas, NV	Ozone	Former Subpart 1	50	-	35.40	47.00	56.27
Lauderdale County, AL	SO _x	Maintenance	100	-	1.73	2.30	2.76
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.04	0.05	0.06
Libby, MT	PM ₁₀	Moderate	100	-	0.08	0.11	0.13
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.11	0.15	0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.30	0.40
Lima, OH	Ozone	Maintenance	100	-	-493.38	-727.33	-33.07
Longmont, CO	CO	Maintenance	100	-	2.10	2.79	3.34
Lorain County, OH	SO _x	Maintenance	100	-	0.96	1.27	1.52

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-348.68	-562.80	483.34
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-348.68	-562.80	483.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-348.68	-562.80	483.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-348.68	-562.79	483.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-348.70	-562.82	483.31
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	15.36	20.39	24.41
Louisville, KY-IN	Ozone	Maintenance	100	-	22.96	30.48	36.49
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	22.01	29.22	34.99
Lowell, MA	CO	Maintenance	100	-	2.47	3.27	3.92
Lucas County, OH	SO _x	Maintenance	100	-	5.83	7.74	9.27
Lyons Township, IL	PM ₁₀	Maintenance	100	-	1.21	1.60	1.93
Macon, GA	Ozone	Maintenance	100	-	4.04	5.36	6.42
Macon, GA	PM _{2.5}	Nonattainment	100	-	3.99	5.30	6.35
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.06	0.07	0.09
Madison, WI	SO _x	Maintenance	100	-	5.59	7.42	8.89
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.25	0.34	0.40
Manchester, NH	CO	Maintenance	100	-	1.49	1.98	2.37
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	2.03	2.69	3.22
Marion County, IN	SO _x	Maintenance	100	-	6.17	8.19	9.81
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	2.73	3.63	4.34
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	6.66	8.84	10.59
Mason County, MI	Ozone	Maintenance	100	-	0.56	0.74	0.89
Medford, OR	CO	Maintenance	100	-	1.81	2.40	2.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	4.34	5.76	6.90
Memphis, TN-AR	Ozone	Maintenance	100	-	-115.22	-172.66	21.40
Memphis, TN	CO	Maintenance	100	-	-116.73	-174.66	19.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.67	0.89	1.07

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.09	0.11	0.16
Milwaukee, WI	SO _x	Maintenance	100	-	10.50	13.94	16.70
Milwaukee-Racine, WI	Ozone	Moderate	50	-	37.51	49.80	59.63
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-405.04	-605.89	64.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	57.52	75.96	95.60
Missoula, MT	CO	Maintenance	100	-	0.04	-0.13	2.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	-0.12	1.93
Modesto, CA	CO	Maintenance	100	-	7.33	9.73	11.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	2.48	3.30	3.95
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.04	0.05	0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.07	0.09	0.11
Morristown, NJ	CO	Maintenance	100	-	0.76	1.01	1.21
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.57	0.75	0.90
Muncie, IN	Ozone	Maintenance	100	-	2.16	2.87	3.44
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.10	0.13	0.16
Muscatine County, IA	SO _x	Maintenance	100	-	0.32	0.43	0.51
Muskegon, MI	Ozone	Maintenance	100	-	2.66	3.52	4.31
Nashua, NH	CO	Maintenance	100	-	1.20	1.59	1.91
Nashville, TN	Ozone	Former Subpart 1	50	-	34.75	46.00	56.64
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	3.62	4.81	5.76
New Haven County, CT	PM ₁₀	Maintenance	100	-	3.13	4.16	4.98
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	15.82	21.01	25.16
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.12	0.15	0.18
New York County, NY	PM ₁₀	Moderate	100	-	8.84	11.73	14.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-110.65	-186.37	234.16
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-79.72	-162.51	462.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-82.46	-166.14	457.65
Nogales, AZ	PM ₁₀	Moderate	100	-	0.88	1.17	1.40

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-275.13	-410.14	28.88
Ogden, UT	CO	Maintenance	100	-	1.42	1.88	2.26
Ogden, UT	PM ₁₀	Moderate	100	-	1.42	1.88	2.26
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.04	0.06	0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.40	0.54	0.64
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	2.43	3.22	3.86
Owens Valley, CA	PM ₁₀	Serious	70	-	0.09	0.13	0.15
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	2.90	3.84	4.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	2.91	3.86	4.64
Payson, AZ	PM ₁₀	Maintenance	100	-	0.43	0.57	0.69
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Peoria, IL	SO _x	Maintenance	100	-	1.29	1.62	3.09
Perth Amboy, NJ	CO	Maintenance	100	-	-114.30	-168.69	-5.63
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	7.45	9.89	11.86
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-908.04	-1,351.28	70.70
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-866.12	-1,295.83	139.60
Phoenix, AZ	CO	Maintenance	100	-	117.15	155.34	188.16
Phoenix, AZ	PM ₁₀	Serious	70	-	120.39	159.64	193.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	120.73	160.10	193.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.21	0.28	0.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.02	0.03	0.04
Pittsburgh, PA	CO	Maintenance	100	-	0.50	0.66	0.87
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	38.56	50.96	63.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	35.10	46.36	58.18
Polk County, TN	SO _x	Maintenance	100	-	0.43	0.57	0.68
Polson, MT	PM ₁₀	Moderate	100	-	0.07	0.09	0.11
Portland, ME	Ozone	Maintenance	100	-	9.38	12.11	18.47

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	22.15	29.15	37.87
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.88	1.17	1.40
Poughkeepsie, NY	Ozone	Moderate	50	-	31.05	41.23	49.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.18	0.24	0.28
Providence (entire State), RI	Ozone	Moderate	50	-	18.04	23.52	33.14
Provo, UT	CO	Maintenance	100	-	3.71	4.93	5.90
Raleigh-Durham, NC	CO	Maintenance	100	-	28.61	37.91	46.29
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	39.08	51.80	62.92
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.03	0.03	0.06
Reading, PA	Ozone	Maintenance	100	-	6.85	9.10	10.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	6.85	9.10	10.90
Reno, NV	CO	Maintenance	100	-	5.11	6.78	8.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.02	0.03	0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	23.59	31.05	40.24
Rillito, AZ	PM ₁₀	Moderate	100	-	1.15	1.53	1.83
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	15.54	20.63	24.70
Roanoke, VA	Ozone	Former Subpart 1	50	-	5.27	6.99	8.38
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	1.73	2.29	2.74
Rochester, NY	Ozone	Former Subpart 1	50	-	27.60	36.64	43.87
Rocky Mount, NC	Ozone	Maintenance	100	-	3.71	4.93	5.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	2.45	3.25	3.90
Ronan, MT	PM ₁₀	Moderate	100	-	0.03	0.03	0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.05	0.07	0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	35.49	47.12	56.43
Sacramento Metro, CA	Ozone	Severe	25	-	63.37	83.88	103.37
Sacramento, CA	CO	Maintenance	100	-	39.69	52.66	63.41
Salem, OR	CO	Maintenance	100	-	2.67	3.54	4.24
Salt Lake City, UT	CO	Maintenance	100	-	-51.04	-75.88	3.18

Appendix B

Table B.1-7							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-33.58	-52.69	30.95
Salt Lake County, UT	SO _x	Nonattainment	100	-	22.05	29.27	35.05
San Antonio, TX	Ozone	Former Subpart 1	50	-	36.83	48.39	63.90
San Bernardino County, CA	PM ₁₀	Moderate	100	-	9.53	12.66	15.16
San Diego, CA	CO	Maintenance	100	-	95.81	127.09	153.33
San Diego, CA	Ozone	Former Subpart 1	50	-	95.99	127.34	153.62
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,280.60	-1,907.84	122.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,262.42	-1,883.70	150.94
San Joaquin Valley, CA	Ozone	Extreme	10	-	77.15	98.08	167.78
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	77.48	98.51	168.30
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	77.15	98.08	167.78
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.77	1.02	1.22
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	13.80	18.32	21.94
Seattle-Tacoma, WA	CO	Maintenance	100	-	65.33	86.73	103.85
Sheboygan, WI	Ozone	Moderate	50	-	2.54	3.37	4.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.44	0.59	0.70
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.37	0.50	0.59
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	8.44	11.08	14.76
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	3.06	4.06	4.90
Spokane County, WA	PM ₁₀	Maintenance	100	-	6.46	8.58	10.27
Spokane, WA	CO	Maintenance	100	-	6.39	8.48	10.16
Springfield (western MA), MA	Ozone	Moderate	50	-	17.22	22.68	29.18
Springfield, MA	CO	Maintenance	100	-	2.59	3.37	4.85
St. Louis, MO	CO	Maintenance	100	-	16.95	22.50	26.94
St. Louis, MO-IL	Ozone	Moderate	50	-	-742.84	-1,103.23	34.81
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-743.23	-1,103.74	34.19

Appendix B

**Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	3.74	4.97	5.95
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.45	0.60	0.72
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.81	1.08	1.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-27.34	-40.56	0.75
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-27.34	-40.56	0.75
Stockton, CA	CO	Maintenance	100	-	11.07	14.69	17.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	10.27	13.64	16.33
Telluride, CO	PM ₁₀	Maintenance	100	-	0.04	0.05	0.06
Terre Haute, IN	Ozone	Maintenance	100	-	2.48	3.30	3.95
Tioga County, PA	Ozone	Maintenance	100	-	1.10	1.46	1.74
Toledo, OH	Ozone	Maintenance	100	-	-467.17	-689.99	-17.86
Toms River, NJ	CO	Maintenance	100	-	2.27	3.02	3.61
Tooele County, UT	SO _x	Nonattainment	100	-	2.16	2.87	3.44
Trenton, NJ	CO	Maintenance	100	-	1.86	2.47	2.96
Trona, CA	PM ₁₀	Moderate	100	-	0.07	0.10	0.12
Tucson, AZ	CO	Maintenance	100	-	22.08	29.31	35.09
Utah County, UT	PM ₁₀	Moderate	100	-	10.77	14.30	17.13
Vancouver, WA	CO	Maintenance	100	-	7.17	9.52	11.40
Ventura County, CA	Ozone	Serious	50	-	18.31	24.11	31.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.14	0.18	0.22
Vigo County, IN	SO _x	Maintenance	100	-	2.48	3.30	3.95
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	1.16	1.54	1.84
Warren County, NJ	SO _x	Maintenance	100	-	0.76	1.01	1.20
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.07	0.41
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	4.35	5.77	6.91
Washington, DC-MD-VA	CO	Maintenance	100	-	33.18	44.06	52.75

Table B.1-7
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	118.77	157.68	188.81
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	116.14	154.19	184.63
Washoe County, NV	PM ₁₀	Serious	70	-	5.11	6.78	8.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.08	0.11	0.13
Wayne County, IN	SO _x	Maintenance	100	-	1.34	1.78	2.13
Wayne County, MI	PM ₁₀	Maintenance	100	-	-120.40	-177.67	-6.22
Weirton, WV	PM ₁₀	Maintenance	100	-	0.17	0.22	0.27
Weirton, WV	SO _x	Maintenance	100	-	0.22	0.30	0.36
Wheeling, WV-OH	Ozone	Maintenance	100	-	2.80	3.72	4.45
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	2.80	3.72	4.45
Winston-Salem, NC	CO	Maintenance	100	-	8.64	11.47	13.73
Worcester, MA	CO	Maintenance	100	-	4.84	6.43	7.70
Yakima County, WA	PM ₁₀	Maintenance	100	-	1.98	2.62	3.14
Yakima, WA	CO	Maintenance	100	-	0.89	1.18	1.42
York, PA	Ozone	Maintenance	100	-	9.58	12.72	15.23
York, PA	PM _{2.5}	Nonattainment	100	-	7.43	9.86	11.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	12.26	16.27	19.49
Yuma, AZ	PM ₁₀	Moderate	100	-	4.22	5.60	6.71

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.07	0.10	0.12
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.19	0.26	0.30
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.19	0.27	0.31
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	56.39	77.24	92.30
Albuquerque, NM	CO	Maintenance	100	-	25.92	35.57	41.45
Allegan County, MI	Ozone	Former Subpart 1	50	-	7.31	10.03	11.68
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	25.56	34.98	42.42
Altoona, PA	Ozone	Maintenance	100	-	3.92	5.38	6.28
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	10.43	14.31	16.68
Anchorage, AK	CO	Maintenance	100	-	7.02	9.64	11.23
Anthony, NM	PM ₁₀	Moderate	100	-	0.32	0.44	0.51
Armstrong County, PA	SO _x	Nonattainment	100	-	0.22	0.30	0.35
Aspen, CO	PM ₁₀	Maintenance	100	-	0.34	0.47	0.55
Atlanta, GA	Ozone	Moderate	50	-	324.76	445.38	522.01
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	324.86	445.53	522.17
Atlantic City, NJ	CO	Maintenance	100	-	2.13	2.93	3.41
Bakersfield, CA	CO	Maintenance	100	-	-16.50	-26.43	38.45
Baltimore, MD	CO	Maintenance	100	-	0.30	0.39	0.68
Baltimore, MD	Ozone	Moderate	50	-	137.31	188.05	225.20
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	137.31	188.05	225.19
Baton Rouge, LA	Ozone	Moderate	50	-	-1,104.32	-1,626.82	148.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,161.05	-4,649.26	298.56
Benton County, TN	SO _x	Maintenance	100	-	0.04	0.06	0.07
Benton Harbor, MI	Ozone	Maintenance	100	-	6.57	9.00	10.67
Benzie County, MI	Ozone	Maintenance	100	-	1.26	1.73	2.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	6.96	9.54	11.12
Billings, MT	CO	Maintenance	100	-	-374.83	-551.42	37.56
Birmingham, AL	Ozone	Maintenance	100	-	6.23	5.01	70.69

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	6.39	5.22	70.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	14.35	19.55	25.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	14.35	19.55	25.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.92	1.26	1.47
Boston, MA	CO	Maintenance	100	-	36.95	50.69	59.10
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	229.19	314.41	366.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	30.61	42.00	48.94
Boyd County (part), KY	SO _x	Maintenance	100	-	0.39	0.53	0.62
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	48.88	67.06	78.15
Burlington, NJ	CO	Maintenance	100	-	0.20	0.28	0.33
Butte, MT	PM ₁₀	Moderate	100	-	0.73	1.00	1.17
Canon City, CO	PM ₁₀	Maintenance	100	-	1.05	1.44	1.68
Canton-Massillon, OH	Ozone	Maintenance	100	-	-116.59	-172.59	30.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-116.59	-172.59	30.02
Case County, MI	Ozone	Maintenance	100	-	1.83	2.51	2.92
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.04	0.05	0.06
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.21	0.29	0.34
Charleston, WV	Ozone	Maintenance	100	-	10.45	14.34	16.71
Charleston, WV	PM _{2.5}	Nonattainment	100	-	10.45	14.34	16.71
Charlotte, NC	CO	Maintenance	100	-	36.37	49.90	58.15
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	79.48	109.04	127.08
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	22.94	31.45	37.00
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	21.24	29.12	34.28
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,765.66	-2,628.32	704.43
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,754.59	-2,613.13	722.13
Chico, CA	CO	Maintenance	100	-	6.74	9.24	10.77
Chico, CA	Ozone	Former Subpart 1	50	-	14.11	19.36	22.56
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	88.26	121.08	141.11

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	85.41	117.17	136.55
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.42	0.57	0.72
Clark County, NV	PM ₁₀	Serious	70	-	80.77	110.81	129.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	12.49	17.13	19.97
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	7.61	10.44	12.17
Cleveland, OH	CO	Maintenance	100	-	34.35	47.12	54.91
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	107.79	147.88	172.34
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	98.56	135.22	157.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	36.96	50.70	59.09
Colbert County, AL	SO _x	Maintenance	100	-	2.16	2.97	3.46
Colorado Springs, CO	CO	Maintenance	100	-	26.87	36.55	48.32
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.29	0.40	0.46
Columbia, SC	Ozone	Former Subpart 1	50	-	29.26	40.14	46.78
Columbus, OH	Ozone	Maintenance	100	-	82.94	113.78	132.60
Columbus, OH	PM _{2.5}	Nonattainment	100	-	77.24	105.97	123.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.02	0.01	0.17
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	34.35	47.12	54.91
Cuyahoga County, OH	SO _x	Maintenance	100	-	29.61	40.63	47.35
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	351.41	481.69	569.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	33.74	46.29	53.95
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	29.63	40.65	47.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-83.95	-138.07	257.81
Denver-Boulder, CO	CO	Maintenance	100	-	-90.54	-147.11	247.27
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-53.23	-95.92	307.08
Detroit, MI	CO	Maintenance	100	-	-207.36	-310.15	108.01
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-106.69	-176.92	352.59
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-110.52	-182.18	346.46

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	1.77	2.43	2.83
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.46	2.01	2.34
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.21	1.65	1.93
Duluth, MN	CO	Maintenance	100	-	3.20	4.39	5.12
Eagle River, AK	PM ₁₀	Moderate	100	-	0.45	0.62	0.72
East Chicago, IN	CO	Maintenance	100	-	0.04	0.05	0.06
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,388.66	-2,042.55	133.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.04	0.06	0.07
El Paso County, TX	PM ₁₀	Moderate	100	-	-121.73	-181.21	48.64
El Paso, TX	CO	Maintenance	100	-	1.31	1.79	2.16
Erie, PA	Ozone	Maintenance	100	-	9.28	12.74	14.84
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.08	0.11	0.13
Eugene-Springfield, OR	CO	Maintenance	100	-	10.79	14.81	17.25
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	10.37	14.23	16.58
Evansville, IN	Ozone	Maintenance	100	-	10.91	14.96	17.44
Evansville, IN	PM _{2.5}	Nonattainment	100	-	13.77	18.89	22.01
Fairbanks, AK	CO	Maintenance	100	-	0.88	1.21	1.41
Fayetteville, NC	Ozone	Former Subpart 1	50	-	13.06	17.92	20.88
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.37	0.51	0.60
Flint, MI	Ozone	Maintenance	100	-	21.75	29.84	34.78
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.03	0.04	0.05
Fort Collins, CO	CO	Maintenance	100	-	9.16	12.56	14.64
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.02	0.03	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	16.22	22.25	25.93
Franklin County, PA	Ozone	Maintenance	100	-	7.05	9.67	11.27
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.03	0.04	0.05
Frederick County, VA	Ozone	Former Subpart 1	50	-	5.85	8.02	9.35
Fredericksburg, VA	Ozone	Maintenance	100	-	21.96	30.13	35.11

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.01	1.39	1.62
Fresno, CA	CO	Maintenance	100	-	28.63	39.20	47.06
Grand Rapids, MI	Ozone	Maintenance	100	-	38.83	53.27	62.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.48	2.03	2.40
Grant County, NM	SO _x	Maintenance	100	-	0.10	0.13	0.15
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.03	0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.73	2.37	2.76
Great Falls, MT	CO	Maintenance	100	-	0.67	0.92	1.07
Greater Connecticut, CT	Ozone	Moderate	50	-	68.17	93.43	110.50
Greeley, CO	CO	Maintenance	100	-	5.99	8.21	9.57
Green Bay, WI	SO _x	Maintenance	100	-	5.56	7.63	8.89
Greene County, IN	Ozone	Maintenance	100	-	2.14	2.94	3.42
Greene County, PA	Ozone	Maintenance	100	-	1.87	2.56	2.99
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	68.91	94.43	112.06
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	32.88	45.00	54.45
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	35.82	49.03	59.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.97	1.33	1.55
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	5.13	7.04	8.20
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	39.90	54.69	64.76
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	36.72	50.32	59.66
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	42.61	58.37	69.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.52	0.71	0.83
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.08	2.85	3.32
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.22	0.30	0.35
Hazelwood, PA	SO _x	Maintenance	100	-	1.66	2.26	2.85
Hickory, NC	PM _{2.5}	Nonattainment	100	-	7.10	9.74	11.35
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	12.16	16.68	19.44
Hollis Township, IL	SO _x	Maintenance	100	-	0.07	0.10	0.15

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,374.00	-4,986.91	737.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.12	0.17	0.20
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-756.00	-1,112.72	85.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-761.96	-1,120.90	75.55
Huron County, MI	Ozone	Maintenance	100	-	1.15	1.58	1.84
Imperial County, CA	Ozone	Moderate	50	-	11.63	15.95	18.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	11.40	15.63	18.22
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.36	1.86	2.17
Indianapolis, IN	CO	Maintenance	100	-	0.03	0.04	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	94.13	129.13	150.49
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	74.91	102.78	119.78
Jackson County, IN	Ozone	Maintenance	100	-	3.35	4.59	5.35
Jamestown, NY	Ozone	Former Subpart 1	50	-	6.55	8.99	10.47
Jefferson County, NY	Ozone	Moderate	50	-	5.33	7.31	8.52
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.25	0.35	0.41
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	8.90	12.21	14.22
Johnstown, PA	Ozone	Maintenance	100	-	3.26	4.47	5.20
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	3.59	4.92	5.73
Juneau, AK	PM ₁₀	Moderate	100	-	0.62	0.85	0.99
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	21.37	29.32	34.17
Kalispell, MT	PM ₁₀	Moderate	100	-	1.51	2.07	2.41
Kansas City, MO-KS	Ozone	Maintenance	100	-	74.87	102.34	126.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	6.85	9.39	10.95
Kent, WA	PM ₁₀	Maintenance	100	-	1.31	1.80	2.10
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	3.55	4.87	5.68
Kewaunee County, WI	Ozone	Maintenance	100	-	1.02	1.40	1.63
King County, WA	PM ₁₀	Maintenance	100	-	0.50	0.69	0.81
Klamath Falls, OR	CO	Maintenance	100	-	2.04	2.80	3.26

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	2.04	2.80	3.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	59.39	81.48	94.95
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	44.78	61.43	71.60
La Porte County, IN	SO _x	Maintenance	100	-	1.34	1.83	2.14
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.65	0.90	1.04
Lake County, IN	SO _x	Maintenance	100	-	11.38	15.55	19.22
Lake County, OH	SO _x	Maintenance	100	-	1.49	2.05	2.38
Lake County, OR	PM ₁₀	Maintenance	100	-	0.24	0.33	0.39
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.88	2.58	3.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	4.28	5.88	6.85
Lake Tahoe, NV	CO	Maintenance	100	-	0.86	1.18	1.38
Lamar, CO	PM ₁₀	Maintenance	100	-	0.37	0.50	0.59
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.05	0.07	0.08
Lancaster, PA	Ozone	Maintenance	100	-	20.01	27.40	32.84
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	20.01	27.40	32.84
Lane County, OR	PM ₁₀	Moderate	100	-	0.05	0.07	0.08
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	20.94	28.73	33.48
LaPorte, IN	Ozone	Maintenance	100	-	3.71	5.09	5.93
Las Vegas, NV	CO	Serious	100	-	80.77	110.81	129.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	81.60	111.95	130.47
Lauderdale County, AL	SO _x	Maintenance	100	-	3.49	4.79	5.59
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.07	0.10	0.12
Libby, MT	PM ₁₀	Moderate	100	-	0.16	0.22	0.26
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.22	0.30	0.35
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.42	0.57	0.72
Lima, OH	Ozone	Maintenance	100	-	-661.97	-973.72	64.28
Longmont, CO	CO	Maintenance	100	-	4.87	6.68	7.79
Lorain County, OH	SO _x	Maintenance	100	-	2.03	2.79	3.25

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-177.44	-333.98	1,266.92
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-177.44	-333.98	1,266.92
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-177.44	-333.98	1,266.92
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-177.44	-333.98	1,266.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-177.48	-334.03	1,266.87
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	34.29	47.04	54.82
Louisville, KY-IN	Ozone	Maintenance	100	-	47.59	65.28	76.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	45.25	62.07	72.34
Lowell, MA	CO	Maintenance	100	-	5.51	7.55	8.80
Lucas County, OH	SO _x	Maintenance	100	-	11.60	15.92	18.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	2.41	3.31	3.88
Macon, GA	Ozone	Maintenance	100	-	7.96	10.92	12.72
Macon, GA	PM _{2.5}	Nonattainment	100	-	7.85	10.77	12.56
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.11	0.15	0.17
Madison, WI	SO _x	Maintenance	100	-	12.77	17.52	20.42
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.67	0.92	1.07
Manchester, NH	CO	Maintenance	100	-	2.84	3.90	4.54
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	4.14	5.68	6.62
Marion County, IN	SO _x	Maintenance	100	-	12.42	17.04	19.86
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	6.49	8.91	10.38
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	14.13	19.38	22.59
Mason County, MI	Ozone	Maintenance	100	-	1.20	1.64	1.91
Medford, OR	CO	Maintenance	100	-	4.19	5.75	6.70
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	10.10	13.86	16.16
Memphis, TN-AR	Ozone	Maintenance	100	-	-141.70	-212.25	79.15
Memphis, TN	CO	Maintenance	100	-	-144.57	-216.19	74.55
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.53	2.10	2.45

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.17	0.24	0.30
Milwaukee, WI	SO _x	Maintenance	100	-	21.49	29.48	34.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	80.17	109.99	128.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-493.08	-738.25	269.65
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	127.38	174.40	209.79
Missoula, MT	CO	Maintenance	100	-	1.25	1.55	4.69
Missoula, MT	PM ₁₀	Moderate	100	-	1.21	1.50	4.53
Modesto, CA	CO	Maintenance	100	-	16.97	23.28	27.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	5.87	8.06	9.39
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.08	0.11	0.13
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.13	0.18	0.22
Morristown, NJ	CO	Maintenance	100	-	1.80	2.47	2.88
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.13	1.56	1.81
Muncie, IN	Ozone	Maintenance	100	-	4.12	5.65	6.59
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.26	0.35	0.41
Muscatine County, IA	SO _x	Maintenance	100	-	0.70	0.95	1.11
Muskegon, MI	Ozone	Maintenance	100	-	5.71	7.83	9.26
Nashua, NH	CO	Maintenance	100	-	2.32	3.18	3.71
Nashville, TN	Ozone	Former Subpart 1	50	-	77.19	105.78	125.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	8.93	12.26	14.29
New Haven County, CT	PM ₁₀	Maintenance	100	-	7.25	9.95	11.60
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	32.44	44.51	51.87
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.24	0.33	0.38
New York County, NY	PM ₁₀	Moderate	100	-	17.47	23.97	27.94
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-30.93	-78.21	563.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	129.63	126.49	1,086.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	123.62	118.23	1,077.22
Nogales, AZ	PM ₁₀	Moderate	100	-	1.92	2.63	3.07

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-345.47	-514.63	144.29
Ogden, UT	CO	Maintenance	100	-	2.92	4.01	4.68
Ogden, UT	PM ₁₀	Moderate	100	-	2.92	4.01	4.68
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.07	0.10	0.12
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.77	1.06	1.24
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	5.48	7.52	8.77
Owens Valley, CA	PM ₁₀	Serious	70	-	0.26	0.36	0.42
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	5.90	8.10	9.43
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	5.93	8.14	9.51
Payson, AZ	PM ₁₀	Maintenance	100	-	0.96	1.31	1.53
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.03	0.03
Peoria, IL	SO _x	Maintenance	100	-	3.09	4.16	6.44
Perth Amboy, NJ	CO	Maintenance	100	-	-151.77	-223.58	20.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	14.55	19.96	23.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,153.61	-1,714.74	417.66
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,063.43	-1,591.20	564.92
Phoenix, AZ	CO	Maintenance	100	-	286.62	393.07	460.85
Phoenix, AZ	PM ₁₀	Serious	70	-	293.93	403.10	472.56
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	294.64	404.08	473.71
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.40	0.55	0.64
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.04	0.05	0.06
Pittsburgh, PA	CO	Maintenance	100	-	1.33	1.81	2.28
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	79.99	109.53	131.52
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	72.85	99.73	120.10
Polk County, TN	SO _x	Maintenance	100	-	0.88	1.21	1.41
Polson, MT	PM ₁₀	Moderate	100	-	0.16	0.22	0.26
Portland, ME	Ozone	Maintenance	100	-	21.81	29.62	39.96

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	47.80	65.34	80.40
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.81	2.48	2.89
Poughkeepsie, NY	Ozone	Moderate	50	-	70.53	96.76	112.77
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.35	0.48	0.56
Providence (entire State), RI	Ozone	Moderate	50	-	41.34	56.32	72.76
Provo, UT	CO	Maintenance	100	-	8.43	11.56	13.48
Raleigh-Durham, NC	CO	Maintenance	100	-	64.66	88.65	104.44
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	87.88	120.51	141.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.06	0.08	0.11
Reading, PA	Ozone	Maintenance	100	-	14.36	19.70	22.96
Reading, PA	PM _{2.5}	Nonattainment	100	-	14.36	19.70	22.96
Reno, NV	CO	Maintenance	100	-	10.84	14.87	17.33
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.06	0.09	0.10
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	51.31	70.16	85.86
Rillito, AZ	PM ₁₀	Moderate	100	-	2.70	3.70	4.31
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	36.96	50.70	59.09
Roanoke, VA	Ozone	Former Subpart 1	50	-	10.80	14.82	17.27
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	3.74	5.13	5.98
Rochester, NY	Ozone	Former Subpart 1	50	-	57.92	79.46	92.60
Rocky Mount, NC	Ozone	Maintenance	100	-	7.58	10.40	12.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	5.10	7.00	8.15
Ronan, MT	PM ₁₀	Moderate	100	-	0.06	0.08	0.10
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.10	0.14	0.16
Sacramento County, CA	PM ₁₀	Moderate	100	-	83.13	114.05	132.92
Sacramento Metro, CA	Ozone	Severe	25	-	152.09	208.44	246.82
Sacramento, CA	CO	Maintenance	100	-	93.31	127.99	149.62
Salem, OR	CO	Maintenance	100	-	5.52	7.57	8.82
Salt Lake City, UT	CO	Maintenance	100	-	-64.81	-96.27	22.39

Appendix B

Table B.1-8							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-27.03	-44.44	82.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	47.77	65.53	76.37
San Antonio, TX	Ozone	Former Subpart 1	50	-	83.76	114.45	141.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	20.83	28.58	33.31
San Diego, CA	CO	Maintenance	100	-	221.65	304.00	355.85
San Diego, CA	Ozone	Former Subpart 1	50	-	222.09	304.60	356.55
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,594.43	-2,375.71	675.31
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,555.54	-2,322.37	737.48
San Joaquin Valley, CA	Ozone	Extreme	10	-	208.87	282.63	401.18
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	209.41	283.38	402.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	208.87	282.63	401.18
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.75	2.41	2.80
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.04	0.05
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	28.96	39.73	46.31
Seattle-Tacoma, WA	CO	Maintenance	100	-	143.84	197.34	229.99
Sheboygan, WI	Ozone	Moderate	50	-	5.49	7.54	8.78
Sheridan, WY	PM ₁₀	Moderate	100	-	0.91	1.25	1.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.81	1.11	1.30
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	18.42	25.16	31.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	5.21	7.14	8.37
Spokane County, WA	PM ₁₀	Maintenance	100	-	14.17	19.44	22.65
Spokane, WA	CO	Maintenance	100	-	14.00	19.21	22.38
Springfield (western MA), MA	Ozone	Moderate	50	-	37.04	50.66	61.94
Springfield, MA	CO	Maintenance	100	-	6.10	8.30	10.92
St. Louis, MO	CO	Maintenance	100	-	32.01	43.91	51.18
St. Louis, MO-IL	Ozone	Moderate	50	-	-957.97	-1,420.33	285.01
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-958.77	-1,421.43	283.73

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	8.26	11.34	13.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.08	1.49	1.73
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.58	2.16	2.52
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-35.69	-52.82	9.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-35.69	-52.82	9.01
Stockton, CA	CO	Maintenance	100	-	26.37	36.17	42.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	20.99	28.79	33.55
Telluride, CO	PM ₁₀	Maintenance	100	-	0.10	0.14	0.17
Terre Haute, IN	Ozone	Maintenance	100	-	4.79	6.57	7.66
Tioga County, PA	Ozone	Maintenance	100	-	2.18	2.99	3.48
Toledo, OH	Ozone	Maintenance	100	-	-620.69	-914.79	90.74
Toms River, NJ	CO	Maintenance	100	-	5.27	7.23	8.42
Tooele County, UT	SO _x	Nonattainment	100	-	4.70	6.44	7.51
Trenton, NJ	CO	Maintenance	100	-	4.01	5.51	6.42
Trona, CA	PM ₁₀	Moderate	100	-	0.17	0.24	0.28
Tucson, AZ	CO	Maintenance	100	-	49.27	67.60	78.78
Utah County, UT	PM ₁₀	Moderate	100	-	24.05	33.00	38.46
Vancouver, WA	CO	Maintenance	100	-	16.41	22.51	26.23
Ventura County, CA	Ozone	Serious	50	-	43.75	59.85	73.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.27	0.37	0.43
Vigo County, IN	SO _x	Maintenance	100	-	4.79	6.57	7.66
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	2.42	3.33	3.88
Warren County, NJ	SO _x	Maintenance	100	-	1.62	2.23	2.60
Warren County, PA	SO _x	Nonattainment	100	-	0.08	0.07	0.87
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	9.06	12.43	14.48
Washington, DC-MD-VA	CO	Maintenance	100	-	73.45	100.76	117.43

Appendix B

**Table B.1-8
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	263.19	361.07	420.80
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	257.09	352.71	411.05
Washoe County, NV	PM ₁₀	Serious	70	-	10.84	14.87	17.33
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.17	0.23	0.27
Wayne County, IN	SO _x	Maintenance	100	-	2.56	3.51	4.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	-170.51	-251.24	23.80
Weirton, WV	PM ₁₀	Maintenance	100	-	0.27	0.36	0.42
Weirton, WV	SO _x	Maintenance	100	-	0.38	0.51	0.60
Wheeling, WV-OH	Ozone	Maintenance	100	-	5.35	7.34	8.56
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	5.35	7.34	8.56
Winston-Salem, NC	CO	Maintenance	100	-	18.44	25.30	29.49
Worcester, MA	CO	Maintenance	100	-	10.97	15.06	17.55
Yakima County, WA	PM ₁₀	Maintenance	100	-	4.23	5.81	6.77
Yakima, WA	CO	Maintenance	100	-	2.09	2.87	3.34
York, PA	Ozone	Maintenance	100	-	20.85	28.61	33.34
York, PA	PM _{2.5}	Nonattainment	100	-	16.13	22.13	25.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	24.04	32.98	38.44
Yuma, AZ	PM ₁₀	Moderate	100	-	9.58	13.15	15.32

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.21	0.28	-0.02
Albuquerque, NM	CO	Maintenance	100	-	0.10	0.13	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.13	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.02	0.03	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.10	1.47	-0.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.10	1.47	-0.10
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.16	-0.21	-0.60
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.50	0.66	-0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.50	0.66	-0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-13.41	-18.06	-35.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-43.01	-57.93	-111.49
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Billings, MT	CO	Maintenance	100	-	-7.15	-9.63	-18.53
Birmingham, AL	Ozone	Maintenance	100	-	-0.47	-0.63	-1.67

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.47	-0.63	-1.67
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.07	-0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.14	0.19	-0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.86	1.14	-0.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	0.14	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.20	0.26	-0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.10	-1.48	-2.98
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.10	-1.48	-2.98
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.06	-0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.00
Charlotte, NC	CO	Maintenance	100	-	0.12	0.16	-0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.27	0.36	-0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.09	0.12	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.08	0.11	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-18.87	-25.44	-51.99
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-18.83	-25.39	-51.99
Chico, CA	CO	Maintenance	100	-	0.02	0.02	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.33	0.44	-0.03

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.32	0.43	-0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.24	0.32	-0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.06	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.16	0.22	-0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.44	0.58	-0.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.40	0.53	-0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.10	0.13	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.10	0.13	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.11	0.14	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.28	0.37	-0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.26	0.34	-0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.22	-0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.13	0.18	-0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.14	1.51	-0.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.14	0.19	-0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.17	-0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-8.29	-11.17	-22.76
Denver-Boulder, CO	CO	Maintenance	100	-	-8.31	-11.20	-22.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-8.19	-11.04	-22.77
Detroit, MI	CO	Maintenance	100	-	-6.53	-8.80	-17.63
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-8.08	-10.90	-22.99
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-8.09	-10.91	-22.99

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.82	-21.31	-41.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.72	-6.36	-12.43
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.05	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.05	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.04	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.08	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.07	0.09	-0.01

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**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.10	0.13	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.13	0.18	-0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.28	0.37	-0.03
Greeley, CO	CO	Maintenance	100	-	0.02	0.03	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.27	0.36	-0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.14	0.18	-0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.15	0.20	-0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.14	0.19	-0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.17	-0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.18	0.24	-0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-9
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Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-64.84	-87.34	-170.29
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.63	-11.62	-22.46
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.65	-11.65	-22.46
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.05	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	0.05	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.33	0.44	-0.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.26	0.35	-0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.03	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.11	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.28	0.37	-0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.00

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**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.19	0.26	-0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.15	0.20	-0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.00
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	0.11	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Las Vegas, NV	CO	Serious	100	-	0.24	0.32	-0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.25	0.33	-0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-11.00	-14.81	-28.51
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-28.70	-38.70	-81.01
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-28.70	-38.70	-81.01
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-28.70	-38.70	-81.01
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-28.70	-38.70	-81.01
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-28.70	-38.70	-81.01
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.11	0.15	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.19	0.25	-0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.25	-0.02
Lowell, MA	CO	Maintenance	100	-	0.02	0.03	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.07	-0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.04	0.05	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.01	0.02	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.23	-4.35	-8.81
Memphis, TN	CO	Maintenance	100	-	-3.24	-4.37	-8.81
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.00

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**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.09	0.12	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.30	0.40	-0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.48	0.64	-0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.47	0.62	-0.04
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Modesto, CA	CO	Maintenance	100	-	0.05	0.07	-0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.27	0.36	-0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.13	0.18	-0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.10	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.22	-3.02	-9.30
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.39	-3.27	-12.87
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.41	-3.29	-12.87
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-12.01	-16.19	-31.80
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	-1.30	-1.75	-3.40
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.09	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-18.29	-24.64	-49.33
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-17.99	-24.25	-49.49
Phoenix, AZ	CO	Maintenance	100	-	0.73	0.96	-0.09
Phoenix, AZ	PM ₁₀	Serious	70	-	0.75	1.00	-0.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.75	1.00	-0.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.34	0.45	-0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.31	0.41	-0.04
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.09	0.12	-0.01

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.12	0.16	-0.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.22	0.29	-0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.16	0.22	-0.01
Provo, UT	CO	Maintenance	100	-	0.03	0.04	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.21	0.28	-0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.29	0.39	-0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.01
Reno, NV	CO	Maintenance	100	-	0.04	0.05	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.19	0.25	-0.07
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.10	0.13	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.23	0.30	-0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.24	0.32	-0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.43	0.57	-0.04
Sacramento, CA	CO	Maintenance	100	-	0.27	0.35	-0.02
Salem, OR	CO	Maintenance	100	-	0.02	0.03	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	-3.03	-4.09	-7.95

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.90	-3.91	-7.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.17	0.23	-0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.31	0.41	-0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.09	-0.01
San Diego, CA	CO	Maintenance	100	-	0.67	0.89	-0.06
San Diego, CA	Ozone	Former Subpart 1	50	-	0.67	0.89	-0.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-24.32	-32.77	-65.75
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-24.18	-32.59	-65.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.50	0.66	-0.66
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.50	0.67	-0.66
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.50	0.66	-0.66
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.11	0.15	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.49	0.65	-0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.03	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.10	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.00
Spokane, WA	CO	Maintenance	100	-	0.05	0.06	-0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.15	0.20	-0.01
Springfield, MA	CO	Maintenance	100	-	0.02	0.03	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.16	0.21	-0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	-48.84	-65.78	-127.72
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-48.84	-65.78	-127.72

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.09	-0.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.09	-0.22
Stockton, CA	CO	Maintenance	100	-	0.07	0.10	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.12	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Toledo, OH	Ozone	Maintenance	100	-	-11.38	-15.33	-29.70
Toms River, NJ	CO	Maintenance	100	-	0.02	0.02	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.16	0.22	-0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.08	0.11	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.05	0.07	-0.00
Ventura County, CA	Ozone	Serious	50	-	0.12	0.16	-0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.26	0.35	-0.02

Appendix B

**Table B.1-9
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.89	1.18	-0.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.87	1.16	-0.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.05	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.20	-7.01	-13.49
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.07	0.09	-0.01
Worcester, MA	CO	Maintenance	100	-	0.04	0.05	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
York, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.11	0.15	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.50	0.70	-2.70
Albuquerque, NM	CO	Maintenance	100	-	0.23	0.32	-1.24
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.31
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.23	0.32	-1.25
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.22
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.09	-0.35
Anchorage, AK	CO	Maintenance	100	-	0.06	0.08	-0.30
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	2.61	3.67	-14.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.62	3.67	-14.14
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	-0.11
Bakersfield, CA	CO	Maintenance	100	-	-0.33	-0.51	-2.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.02
Baltimore, MD	Ozone	Moderate	50	-	1.17	1.64	-6.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.17	1.64	-6.31
Baton Rouge, LA	Ozone	Moderate	50	-	-29.61	-44.09	-66.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-95.04	-141.45	-206.29
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.07	0.10	-0.38
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.06	0.08	-0.31
Billings, MT	CO	Maintenance	100	-	-15.79	-23.51	-34.30
Birmingham, AL	Ozone	Maintenance	100	-	-1.02	-1.55	-5.18

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.01	-1.54	-5.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.13	0.18	-0.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.13	0.18	-0.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Boston, MA	CO	Maintenance	100	-	0.33	0.47	-1.80
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.99	2.80	-10.77
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.25	0.36	-1.37
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.45	0.63	-2.43
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.43	-3.62	-6.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.43	-3.62	-6.10
Case County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.11	0.15	-0.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-0.58
Charlotte, NC	CO	Maintenance	100	-	0.29	0.40	-1.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.64	0.90	-3.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.21	0.30	-1.16
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.19	0.27	-1.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-41.55	-62.06	-110.51
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-41.45	-61.93	-111.01
Chico, CA	CO	Maintenance	100	-	0.04	0.06	-0.23
Chico, CA	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.53
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.77	1.08	-4.16

Appendix B

**Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.75	1.05	-4.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.59	0.82	-3.17
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.10	0.14	-0.55
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.38
Cleveland, OH	CO	Maintenance	100	-	0.36	0.51	-1.97
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.00	1.41	-5.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.93	1.30	-5.00
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.25	0.35	-1.35
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.13
Colorado Springs, CO	CO	Maintenance	100	-	0.23	0.32	-1.25
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.25	0.36	-1.37
Columbus, OH	Ozone	Maintenance	100	-	0.66	0.92	-3.55
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.61	0.85	-3.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.36	0.51	-1.97
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.30	0.42	-1.61
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.72	3.82	-14.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.33	0.46	-1.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.29	0.40	-1.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-18.23	-27.24	-48.17
Denver-Boulder, CO	CO	Maintenance	100	-	-18.29	-27.31	-47.89
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-17.99	-26.90	-49.46
Detroit, MI	CO	Maintenance	100	-	-14.37	-21.44	-35.70
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-17.76	-26.59	-51.99
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-17.80	-26.64	-51.81

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Duluth, MN	CO	Maintenance	100	-	0.03	0.04	-0.17
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.96	-52.03	-76.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.42	-15.52	-23.91
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.07
Erie, PA	Ozone	Maintenance	100	-	0.09	0.12	-0.48
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.09	0.13	-0.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.09	0.12	-0.46
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.14	-0.53
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.69
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.62
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Flint, MI	Ozone	Maintenance	100	-	0.20	0.28	-1.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.07	0.10	-0.37
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.14	0.20	-0.77
Franklin County, PA	Ozone	Maintenance	100	-	0.06	0.08	-0.32
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.28
Fredericksburg, VA	Ozone	Maintenance	100	-	0.16	0.23	-0.88

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Fresno, CA	CO	Maintenance	100	-	0.23	0.32	-1.25
Grand Rapids, MI	Ozone	Maintenance	100	-	0.32	0.44	-1.71
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.07
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.64	0.90	-3.46
Greeley, CO	CO	Maintenance	100	-	0.05	0.07	-0.26
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.07	-0.26
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.10
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.63	0.89	-3.42
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.31	0.44	-1.69
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.35	0.49	-1.89
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	0.06	-0.24
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.33	0.47	-1.80
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.31	0.43	-1.67
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.41	0.58	-2.24
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.08
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.10	-0.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.11	0.16	-0.62
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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**Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-143.14	-213.20	-325.54
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-19.06	-28.37	-42.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-19.11	-28.45	-41.73
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.06
Imperial County, CA	Ozone	Moderate	50	-	0.09	0.12	-0.46
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	0.12	-0.45
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.07
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.78	1.10	-4.23
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.62	0.87	-3.35
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.17
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.33
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.07	-0.26
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.08	0.12	-0.46
Johnstown, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.21
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.23
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.20	0.28	-1.06
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.65	0.91	-3.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.08	-0.30
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.10

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Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.10
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.46	0.65	-2.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.36	0.50	-1.94
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.12	0.17	-0.64
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.03	-0.13
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.18	0.25	-0.95
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.25	-0.95
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.19	0.26	-1.00
LaPorte, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.20
Las Vegas, NV	CO	Serious	100	-	0.59	0.82	-3.17
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.60	0.84	-3.22
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.05	-0.18
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
Lima, OH	Ozone	Maintenance	100	-	-24.30	-36.17	-52.78
Longmont, CO	CO	Maintenance	100	-	0.04	0.05	-0.19
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.10

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**Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-63.02	-94.30	-181.07
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-63.02	-94.30	-181.07
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-63.02	-94.30	-181.07
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-63.02	-94.30	-181.07
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-63.02	-94.30	-181.07
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.27	0.38	-1.46
Louisville, KY-IN	Ozone	Maintenance	100	-	0.44	0.62	-2.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.43	0.60	-2.30
Lowell, MA	CO	Maintenance	100	-	0.04	0.06	-0.24
Lucas County, OH	SO _x	Maintenance	100	-	0.12	0.16	-0.63
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.15
Macon, GA	Ozone	Maintenance	100	-	0.08	0.11	-0.44
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.44
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.10	0.13	-0.52
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.16
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.21
Marion County, IN	SO _x	Maintenance	100	-	0.12	0.17	-0.66
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.17	-0.67
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Medford, OR	CO	Maintenance	100	-	0.03	0.04	-0.16
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.39
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.12	-10.63	-18.31
Memphis, TN	CO	Maintenance	100	-	-7.15	-10.67	-18.14
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.06

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Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.21	0.29	-1.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.69	0.97	-3.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.12	1.58	-6.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.09	1.53	-5.91
Missoula, MT	CO	Maintenance	100	-	0.02	0.03	-0.13
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.13
Modesto, CA	CO	Maintenance	100	-	0.12	0.17	-0.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.22
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	-0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Muncie, IN	Ozone	Maintenance	100	-	0.05	0.06	-0.24
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.07	-0.27
Nashua, NH	CO	Maintenance	100	-	0.02	0.03	-0.13
Nashville, TN	Ozone	Former Subpart 1	50	-	0.64	0.90	-3.45
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.30
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.08	-0.29
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.31	0.43	-1.66
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.18	0.25	-0.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.79	-7.38	-33.39
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-5.01	-7.94	-54.60
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-5.05	-8.01	-54.33
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.09

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-26.52	-39.52	-61.88
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	-0.15
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.15
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.23
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.08	-0.31
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.31
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.05	-0.21
Perth Amboy, NJ	CO	Maintenance	100	-	-2.88	-4.28	-6.44
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.15	0.21	-0.82
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-40.33	-60.17	-100.12
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-39.64	-59.20	-104.76
Phoenix, AZ	CO	Maintenance	100	-	1.82	2.55	-9.97
Phoenix, AZ	PM ₁₀	Serious	70	-	1.88	2.63	-10.28
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.88	2.64	-10.31
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.77	1.08	-4.24
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.70	0.99	-3.88
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.22	0.30	-1.19

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.30	0.40	-2.78
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Poughkeepsie, NY	Ozone	Moderate	50	-	0.53	0.75	-2.88
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.38	0.54	-2.07
Provo, UT	CO	Maintenance	100	-	0.06	0.09	-0.34
Raleigh-Durham, NC	CO	Maintenance	100	-	0.51	0.71	-2.75
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.69	0.97	-3.75
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.13	0.18	-0.70
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.70
Reno, NV	CO	Maintenance	100	-	0.10	0.13	-0.51
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.44	0.61	-2.67
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.25	0.35	-1.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.04	-0.17
Rochester, NY	Ozone	Former Subpart 1	50	-	0.52	0.73	-2.82
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	0.10	-0.39
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.25
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.58	0.82	-3.15
Sacramento Metro, CA	Ozone	Severe	25	-	1.05	1.47	-5.67
Sacramento, CA	CO	Maintenance	100	-	0.65	0.91	-3.52
Salem, OR	CO	Maintenance	100	-	0.05	0.07	-0.28
Salt Lake City, UT	CO	Maintenance	100	-	-6.70	-9.98	-15.08

Appendix B

Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.38	-9.53	-16.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.40	0.56	-2.17
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.72	1.02	-3.92
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.17	0.24	-0.91
San Diego, CA	CO	Maintenance	100	-	1.62	2.27	-8.76
San Diego, CA	Ozone	Former Subpart 1	50	-	1.62	2.28	-8.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-53.56	-79.92	-134.48
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-53.23	-79.46	-136.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.27	1.74	-10.68
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.27	1.75	-10.72
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.27	1.74	-10.68
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.26	0.37	-1.41
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.17	1.63	-6.30
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.06	-0.25
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.18	0.25	-0.95
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.41
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.12	0.16	-0.63
Spokane, WA	CO	Maintenance	100	-	0.11	0.16	-0.62
Springfield (western MA), MA	Ozone	Moderate	50	-	0.35	0.49	-1.88
Springfield, MA	CO	Maintenance	100	-	0.06	0.08	-0.30
St. Louis, MO	CO	Maintenance	100	-	0.36	0.50	-1.93
St. Louis, MO-IL	Ozone	Moderate	50	-	-107.87	-160.63	-241.52
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-107.88	-160.64	-241.48

Appendix B

**Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.07	0.09	-0.36
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.15	-0.23	-0.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.15	-0.23	-0.61
Stockton, CA	CO	Maintenance	100	-	0.18	0.25	-0.98
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.20	0.28	-1.08
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.28
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.12
Toledo, OH	Ozone	Maintenance	100	-	-25.14	-37.43	-55.87
Toms River, NJ	CO	Maintenance	100	-	0.04	0.05	-0.21
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.06	-0.21
Trenton, NJ	CO	Maintenance	100	-	0.03	0.05	-0.19
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.39	0.54	-2.09
Utah County, UT	PM ₁₀	Moderate	100	-	0.19	0.27	-1.02
Vancouver, WA	CO	Maintenance	100	-	0.12	0.17	-0.65
Ventura County, CA	Ozone	Serious	50	-	0.30	0.41	-1.84
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.28
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.12
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	-0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.08	0.12	-0.45
Washington, DC-MD-VA	CO	Maintenance	100	-	0.61	0.86	-3.30

Appendix B

**Table B.1-10
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.10	2.95	-11.37
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.06	2.89	-11.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.13	-0.51
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.15
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.50	-17.12	-25.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.06	0.08	-0.31
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.31
Winston-Salem, NC	CO	Maintenance	100	-	0.16	0.22	-0.87
Worcester, MA	CO	Maintenance	100	-	0.08	0.12	-0.46
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.20
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	-0.08
York, PA	Ozone	Maintenance	100	-	0.17	0.24	-0.94
York, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.19	-0.73
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.25	0.35	-1.34
Yuma, AZ	PM ₁₀	Moderate	100	-	0.07	0.10	-0.39

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.85	2.18	-20.08
Albuquerque, NM	CO	Maintenance	100	-	0.84	0.99	-9.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.22	0.26	-2.43
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.85	1.00	-9.26
Altoona, PA	Ozone	Maintenance	100	-	0.13	0.16	-1.48
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.29	0.34	-3.16
Anchorage, AK	CO	Maintenance	100	-	0.22	0.26	-2.37
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	-0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
Atlanta, GA	Ozone	Moderate	50	-	10.11	11.90	-109.77
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	10.12	11.91	-109.82
Atlantic City, NJ	CO	Maintenance	100	-	0.07	0.08	-0.77
Bakersfield, CA	CO	Maintenance	100	-	-0.59	-1.18	-9.57
Baltimore, MD	CO	Maintenance	100	-	0.01	0.02	-0.15
Baltimore, MD	Ozone	Moderate	50	-	4.43	5.21	-48.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	4.43	5.21	-48.05
Baton Rouge, LA	Ozone	Moderate	50	-	-74.03	-116.14	-143.31
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-238.52	-373.14	-426.79
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.24	0.28	-2.56
Benzie County, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.40
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.22	0.26	-2.37
Billings, MT	CO	Maintenance	100	-	-39.63	-62.00	-71.07
Birmingham, AL	Ozone	Maintenance	100	-	-2.14	-3.89	-21.52

Appendix B

Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.13	-3.88	-21.57
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.49	0.58	-5.30
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.49	0.58	-5.30
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.03	0.03	-0.29
Boston, MA	CO	Maintenance	100	-	1.21	1.42	-13.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	7.37	8.67	-80.00
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.96	1.13	-10.46
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.02	-0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.61	1.90	-17.52
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	0.03	0.03	-0.29
Canon City, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.33
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.98	-9.51	-15.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.98	-9.51	-15.59
Case County, MI	Ozone	Maintenance	100	-	0.06	0.07	-0.66
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.01	-0.09
Charleston, WV	Ozone	Maintenance	100	-	0.37	0.43	-3.96
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.37	0.43	-3.96
Charlotte, NC	CO	Maintenance	100	-	1.12	1.32	-12.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.47	2.91	-26.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.76	0.89	-8.30
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.70	0.82	-7.63
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-100.86	-161.72	-308.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-100.51	-161.31	-312.42
Chico, CA	CO	Maintenance	100	-	0.19	0.22	-2.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.41	0.48	-4.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.84	3.34	-30.84

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.75	3.24	-29.88
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.19
Clark County, NV	PM ₁₀	Serious	70	-	2.40	2.82	-26.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.39	0.46	-4.22
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.25	0.30	-2.73
Cleveland, OH	CO	Maintenance	100	-	1.22	1.43	-13.22
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.58	4.21	-38.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.29	3.87	-35.67
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.07	1.25	-11.57
Colbert County, AL	SO _x	Maintenance	100	-	0.08	0.09	-0.84
Colorado Springs, CO	CO	Maintenance	100	-	0.91	1.08	-9.92
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	0.94	1.10	-10.17
Columbus, OH	Ozone	Maintenance	100	-	2.56	3.01	-27.74
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.38	2.80	-25.79
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.22	1.43	-13.22
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.01	1.19	-10.99
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	10.81	12.72	-117.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.14	1.34	-12.38
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.01	1.18	-10.90
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-44.15	-70.80	-135.30
Denver-Boulder, CO	CO	Maintenance	100	-	-44.35	-71.04	-133.13
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-43.21	-69.69	-145.53
Detroit, MI	CO	Maintenance	100	-	-35.01	-55.54	-87.73
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-42.53	-69.06	-158.27
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-42.66	-69.21	-156.93

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.60
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.06	-0.54
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.05	-0.43
Duluth, MN	CO	Maintenance	100	-	0.11	0.13	-1.19
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.02	-0.15
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-87.72	-137.25	-157.96
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-25.92	-40.80	-54.68
El Paso, TX	CO	Maintenance	100	-	0.04	0.05	-0.48
Erie, PA	Ozone	Maintenance	100	-	0.31	0.37	-3.39
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.34	0.40	-3.68
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.33	0.38	-3.53
Evansville, IN	Ozone	Maintenance	100	-	0.36	0.42	-3.88
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.46	0.54	-4.95
Fairbanks, AK	CO	Maintenance	100	-	0.03	0.03	-0.29
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.42	0.50	-4.59
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.12
Flint, MI	Ozone	Maintenance	100	-	0.72	0.85	-7.84
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.28	0.33	-3.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.52	0.62	-5.68
Franklin County, PA	Ozone	Maintenance	100	-	0.22	0.26	-2.42
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.19	0.22	-2.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.66	0.77	-7.13

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.03	0.03	-0.31
Fresno, CA	CO	Maintenance	100	-	0.90	1.06	-9.84
Grand Rapids, MI	Ozone	Maintenance	100	-	1.21	1.43	-13.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.58
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.56
Great Falls, MT	CO	Maintenance	100	-	0.02	0.03	-0.27
Greater Connecticut, CT	Ozone	Moderate	50	-	2.29	2.70	-24.86
Greeley, CO	CO	Maintenance	100	-	0.19	0.22	-2.02
Green Bay, WI	SO _x	Maintenance	100	-	0.18	0.21	-1.94
Greene County, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.75
Greene County, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.29	2.70	-24.89
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.12	1.32	-12.19
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.24	1.46	-13.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.04	-0.34
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.17	0.20	-1.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.27	1.50	-13.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.17	1.38	-12.72
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.46	1.72	-15.88
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.02	-0.17
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.06	0.07	-0.67
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.06	0.07	-0.61
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.24	0.28	-2.62
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.41	0.48	-4.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-356.63	-560.83	-733.14
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-47.75	-74.82	-89.23
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-47.95	-75.05	-87.10
Huron County, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.42
Imperial County, CA	Ozone	Moderate	50	-	0.35	0.41	-3.77
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.34	0.40	-3.69
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.50
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	2.97	3.49	-32.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.36	2.77	-25.56
Jackson County, IN	Ozone	Maintenance	100	-	0.11	0.13	-1.20
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.22	0.26	-2.35
Jefferson County, NY	Ozone	Moderate	50	-	0.17	0.21	-1.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.30	0.35	-3.24
Johnstown, PA	Ozone	Maintenance	100	-	0.12	0.15	-1.34
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.16	-1.48
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.71	0.83	-7.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.05	0.05	-0.50
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.47	2.91	-26.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.21	0.25	-2.32
Kent, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.43
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.12	0.14	-1.27
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.04	-0.37
King County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.07	0.08	-0.74

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Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.82	2.14	-19.75
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.39	1.63	-15.06
La Porte County, IN	SO _x	Maintenance	100	-	0.05	0.05	-0.50
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.23
Lake County, IN	SO _x	Maintenance	100	-	0.41	0.48	-4.46
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.06	-0.54
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.05	0.06	-0.56
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.11	0.13	-1.24
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.03	-0.31
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.66	0.77	-7.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.66	0.77	-7.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.68	0.80	-7.38
LaPorte, IN	Ozone	Maintenance	100	-	0.13	0.15	-1.40
Las Vegas, NV	CO	Serious	100	-	2.40	2.82	-26.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.43	2.86	-26.36
Lauderdale County, AL	SO _x	Maintenance	100	-	0.12	0.14	-1.29
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.19
Lima, OH	Ozone	Maintenance	100	-	-60.99	-95.42	-109.26
Longmont, CO	CO	Maintenance	100	-	0.14	0.17	-1.56
Lorain County, OH	SO _x	Maintenance	100	-	0.07	0.08	-0.71

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-150.19	-243.74	-554.97
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-150.19	-243.74	-554.97
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-150.19	-243.74	-554.97
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-150.19	-243.74	-554.97
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-150.19	-243.74	-554.96
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.05	1.24	-11.43
Louisville, KY-IN	Ozone	Maintenance	100	-	1.58	1.85	-17.09
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.51	1.78	-16.39
Lowell, MA	CO	Maintenance	100	-	0.17	0.20	-1.84
Lucas County, OH	SO _x	Maintenance	100	-	0.40	0.47	-4.34
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.94
Macon, GA	Ozone	Maintenance	100	-	0.28	0.33	-3.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.27	0.32	-2.97
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.38	0.45	-4.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.19
Manchester, NH	CO	Maintenance	100	-	0.10	0.12	-1.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.14	0.16	-1.51
Marion County, IN	SO _x	Maintenance	100	-	0.42	0.50	-4.59
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.19	0.22	-2.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.46	0.54	-4.96
Mason County, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.42
Medford, OR	CO	Maintenance	100	-	0.12	0.15	-1.35
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.30	0.35	-3.23
Memphis, TN-AR	Ozone	Maintenance	100	-	-17.50	-27.89	-47.87
Memphis, TN	CO	Maintenance	100	-	-17.61	-28.01	-46.75
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.05	0.05	-0.50

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**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	0.72	0.85	-7.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.57	3.03	-27.93
Minneapolis-St Paul, MN	CO	Maintenance	100	-	4.26	5.01	-46.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4.14	4.87	-44.87
Missoula, MT	CO	Maintenance	100	-	0.09	0.11	-0.98
Missoula, MT	PM ₁₀	Moderate	100	-	0.09	0.10	-0.95
Modesto, CA	CO	Maintenance	100	-	0.50	0.59	-5.45
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.17	0.20	-1.85
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.05	0.06	-0.56
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.04	0.05	-0.42
Muncie, IN	Ozone	Maintenance	100	-	0.15	0.17	-1.61
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.03	-0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.19	0.22	-2.02
Nashua, NH	CO	Maintenance	100	-	0.08	0.10	-0.89
Nashville, TN	Ozone	Former Subpart 1	50	-	2.45	2.88	-26.56
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.25	0.29	-2.70
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.22	0.25	-2.33
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.09	1.28	-11.78
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.01	-0.09
New York County, NY	PM ₁₀	Moderate	100	-	0.61	0.71	-6.58
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-8.71	-17.87	-153.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-5.94	-17.48	-277.52
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-6.12	-17.70	-275.49
Nogales, AZ	PM ₁₀	Moderate	100	-	0.06	0.07	-0.66

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-65.92	-103.92	-144.10
Ogden, UT	CO	Maintenance	100	-	0.10	0.11	-1.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.10	0.11	-1.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.30
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.17	0.20	-1.81
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.20	0.23	-2.16
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.23	-2.17
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.32
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.13	0.15	-1.48
Perth Amboy, NJ	CO	Maintenance	100	-	-7.17	-11.26	-14.23
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.51	0.60	-5.55
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-99.40	-157.82	-253.55
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-96.71	-154.77	-286.38
Phoenix, AZ	CO	Maintenance	100	-	8.08	9.49	-88.25
Phoenix, AZ	PM ₁₀	Serious	70	-	8.30	9.75	-90.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	8.33	9.78	-90.93
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.16
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.04	0.04	-0.41
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.73	3.20	-29.95
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.49	2.92	-27.35
Polk County, TN	SO _x	Maintenance	100	-	0.03	0.03	-0.32
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.05
Portland, ME	Ozone	Maintenance	100	-	0.80	0.94	-8.74

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**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.25	1.32	-18.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.66
Poughkeepsie, NY	Ozone	Moderate	50	-	2.13	2.51	-23.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Providence (entire State), RI	Ozone	Moderate	50	-	1.44	1.69	-15.62
Provo, UT	CO	Maintenance	100	-	0.25	0.30	-2.76
Raleigh-Durham, NC	CO	Maintenance	100	-	2.00	2.35	-21.70
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.72	3.20	-29.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	0.47	0.55	-5.10
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.47	0.55	-5.10
Reno, NV	CO	Maintenance	100	-	0.35	0.41	-3.80
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.64	1.89	-19.09
Rillito, AZ	PM ₁₀	Moderate	100	-	0.08	0.09	-0.86
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.07	1.25	-11.57
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.36	0.43	-3.92
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.12	0.14	-1.29
Rochester, NY	Ozone	Former Subpart 1	50	-	1.89	2.23	-20.55
Rocky Mount, NC	Ozone	Maintenance	100	-	0.25	0.30	-2.77
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.17	0.20	-1.83
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.44	2.87	-26.43
Sacramento Metro, CA	Ozone	Severe	25	-	4.47	5.26	-48.47
Sacramento, CA	CO	Maintenance	100	-	2.74	3.22	-29.71
Salem, OR	CO	Maintenance	100	-	0.18	0.22	-1.99
Salt Lake City, UT	CO	Maintenance	100	-	-16.72	-26.26	-33.39

Appendix B

Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-15.52	-24.85	-46.40
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.51	1.78	-16.41
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.77	3.26	-30.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.65	0.77	-7.10
San Diego, CA	CO	Maintenance	100	-	6.62	7.79	-71.83
San Diego, CA	Ozone	Former Subpart 1	50	-	6.63	7.80	-71.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-130.98	-208.59	-354.13
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-129.73	-207.12	-367.66
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.06	6.64	-81.85
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.09	6.67	-82.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.06	6.64	-81.85
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.05	0.06	-0.57
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.95	1.11	-10.27
Seattle-Tacoma, WA	CO	Maintenance	100	-	4.48	5.27	-48.64
Sheboygan, WI	Ozone	Moderate	50	-	0.17	0.20	-1.89
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.04	-0.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.03	0.03	-0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.64	0.75	-6.94
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.16	0.18	-2.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.44	0.52	-4.81
Spokane, WA	CO	Maintenance	100	-	0.44	0.52	-4.76
Springfield (western MA), MA	Ozone	Moderate	50	-	1.26	1.49	-13.71
Springfield, MA	CO	Maintenance	100	-	0.21	0.25	-2.29
St. Louis, MO	CO	Maintenance	100	-	1.16	1.37	-12.62
St. Louis, MO-IL	Ozone	Moderate	50	-	-269.73	-423.30	-525.96
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-269.75	-423.33	-525.67

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.26	0.30	-2.79
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.34
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	0.07	-0.60
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.35	-0.60	-2.19
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.35	-0.60	-2.19
Stockton, CA	CO	Maintenance	100	-	0.76	0.89	-8.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.71	0.83	-7.65
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.17	0.20	-1.85
Tioga County, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.82
Toledo, OH	Ozone	Maintenance	100	-	-62.91	-98.65	-120.21
Toms River, NJ	CO	Maintenance	100	-	0.16	0.18	-1.69
Tooele County, UT	SO _x	Nonattainment	100	-	0.15	0.17	-1.61
Trenton, NJ	CO	Maintenance	100	-	0.13	0.15	-1.39
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Tucson, AZ	CO	Maintenance	100	-	1.51	1.78	-16.44
Utah County, UT	PM ₁₀	Moderate	100	-	0.74	0.87	-8.02
Vancouver, WA	CO	Maintenance	100	-	0.49	0.58	-5.34
Ventura County, CA	Ozone	Serious	50	-	1.27	1.46	-14.78
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.17	0.20	-1.85
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.08	0.09	-0.86
Warren County, NJ	SO _x	Maintenance	100	-	0.05	0.06	-0.56
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.05	-0.28
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.30	0.35	-3.24
Washington, DC-MD-VA	CO	Maintenance	100	-	2.28	2.68	-24.71

Appendix B

**Table B.1-11
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	8.15	9.59	-88.43
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	7.97	9.38	-86.47
Washoe County, NV	PM ₁₀	Serious	70	-	0.35	0.41	-3.80
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.09	0.11	-1.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-29.01	-45.40	-52.58
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.02	-0.17
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.19	0.23	-2.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.19	0.23	-2.08
Winston-Salem, NC	CO	Maintenance	100	-	0.59	0.70	-6.43
Worcester, MA	CO	Maintenance	100	-	0.33	0.39	-3.60
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.14	0.16	-1.47
Yakima, WA	CO	Maintenance	100	-	0.06	0.07	-0.66
York, PA	Ozone	Maintenance	100	-	0.66	0.77	-7.13
York, PA	PM _{2.5}	Nonattainment	100	-	0.51	0.60	-5.53
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.84	0.99	-9.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.29	0.34	-3.14

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.10
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.04	5.12	-29.17
Albuquerque, NM	CO	Maintenance	100	-	1.81	2.30	-13.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.51	0.65	-3.70
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.85	2.35	-13.40
Altoona, PA	Ozone	Maintenance	100	-	0.27	0.34	-1.99
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.73	0.93	-5.28
Anchorage, AK	CO	Maintenance	100	-	0.49	0.62	-3.55
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.03	-0.16
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.02	-0.11
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.17
Atlanta, GA	Ozone	Moderate	50	-	22.84	28.97	-165.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	22.85	28.98	-165.17
Atlantic City, NJ	CO	Maintenance	100	-	0.15	0.19	-1.08
Bakersfield, CA	CO	Maintenance	100	-	-0.17	-0.74	-14.08
Baltimore, MD	CO	Maintenance	100	-	0.03	0.04	-0.21
Baltimore, MD	Ozone	Moderate	50	-	9.85	12.49	-71.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	9.85	12.49	-71.16
Baton Rouge, LA	Ozone	Moderate	50	-	-99.05	-156.47	-191.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-321.47	-505.99	-565.70
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.47	0.59	-3.37
Benzie County, MI	Ozone	Maintenance	100	-	0.09	0.11	-0.64
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.49	0.62	-3.52
Billings, MT	CO	Maintenance	100	-	-53.39	-84.05	-94.27
Birmingham, AL	Ozone	Maintenance	100	-	-1.82	-3.77	-29.65

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.81	-3.76	-29.73
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.10	1.39	-7.95
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.10	1.39	-7.95
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	0.08	-0.46
Boston, MA	CO	Maintenance	100	-	2.59	3.28	-18.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	16.05	20.35	-115.99
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.14	2.72	-15.49
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	0.03	-0.20
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.42	4.34	-24.73
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.05	0.07	-0.37
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.53
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.78	-12.49	-20.89
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.78	-12.49	-20.89
Case County, MI	Ozone	Maintenance	100	-	0.13	0.16	-0.93
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.02	-0.11
Charleston, WV	Ozone	Maintenance	100	-	0.73	0.93	-5.29
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.73	0.93	-5.29
Charlotte, NC	CO	Maintenance	100	-	2.55	3.23	-18.40
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.56	7.05	-40.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.61	2.04	-11.72
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.49	1.89	-10.86
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-127.16	-207.01	-425.48
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-126.38	-206.03	-431.09
Chico, CA	CO	Maintenance	100	-	0.47	0.60	-3.41
Chico, CA	Ozone	Former Subpart 1	50	-	0.99	1.25	-7.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6.18	7.83	-44.65

Appendix B

**Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	5.98	7.58	-43.21
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.23
Clark County, NV	PM ₁₀	Serious	70	-	5.65	7.17	-40.86
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.87	1.11	-6.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.53	0.68	-3.85
Cleveland, OH	CO	Maintenance	100	-	2.40	3.05	-17.37
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	7.54	9.57	-54.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	6.90	8.75	-49.86
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.59	3.28	-18.70
Colbert County, AL	SO _x	Maintenance	100	-	0.15	0.19	-1.09
Colorado Springs, CO	CO	Maintenance	100	-	2.10	2.67	-15.20
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.15
Columbia, SC	Ozone	Former Subpart 1	50	-	2.05	2.60	-14.80
Columbus, OH	Ozone	Maintenance	100	-	5.81	7.36	-41.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5.41	6.86	-39.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.40	3.05	-17.37
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.07	2.63	-14.98
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	24.89	31.57	-179.92
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.36	3.00	-17.07
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.07	2.63	-14.99
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-55.33	-90.21	-188.86
Denver-Boulder, CO	CO	Maintenance	100	-	-55.79	-90.79	-185.52
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-53.18	-87.47	-204.44
Detroit, MI	CO	Maintenance	100	-	-49.21	-78.54	-118.60
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-51.98	-86.11	-217.60
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-52.25	-86.45	-215.67

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.89
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.10	0.13	-0.74
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.08	0.11	-0.61
Duluth, MN	CO	Maintenance	100	-	0.22	0.28	-1.62
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.04	-0.23
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-118.17	-186.04	-209.42
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-34.36	-54.52	-73.58
El Paso, TX	CO	Maintenance	100	-	0.09	0.12	-0.68
Erie, PA	Ozone	Maintenance	100	-	0.65	0.82	-4.70
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	0.76	0.96	-5.46
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.73	0.92	-5.25
Evansville, IN	Ozone	Maintenance	100	-	0.76	0.97	-5.52
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.96	1.22	-6.96
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.08	-0.45
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.91	1.16	-6.61
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.03	-0.19
Flint, MI	Ozone	Maintenance	100	-	1.52	1.93	-11.00
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.64	0.81	-4.63
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.14	1.44	-8.20
Franklin County, PA	Ozone	Maintenance	100	-	0.49	0.63	-3.57
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.41	0.52	-2.96
Fredericksburg, VA	Ozone	Maintenance	100	-	1.54	1.95	-11.11

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.07	0.09	-0.51
Fresno, CA	CO	Maintenance	100	-	2.05	2.60	-14.88
Grand Rapids, MI	Ozone	Maintenance	100	-	2.72	3.45	-19.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.11	0.13	-0.76
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.12	0.15	-0.87
Great Falls, MT	CO	Maintenance	100	-	0.05	0.06	-0.34
Greater Connecticut, CT	Ozone	Moderate	50	-	4.83	6.13	-34.94
Greeley, CO	CO	Maintenance	100	-	0.42	0.53	-3.03
Green Bay, WI	SO _x	Maintenance	100	-	0.39	0.49	-2.81
Greene County, IN	Ozone	Maintenance	100	-	0.15	0.19	-1.08
Greene County, PA	Ozone	Maintenance	100	-	0.13	0.17	-0.94
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4.90	6.22	-35.43
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.38	3.02	-17.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.59	3.29	-18.73
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.07	0.09	-0.49
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.36	0.46	-2.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.83	3.59	-20.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.61	3.31	-18.86
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.05	3.86	-22.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	0.05	-0.26
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.15	0.18	-1.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.02	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	0.12	0.16	-0.90
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.50	0.63	-3.59
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.85	1.08	-6.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-473.94	-751.12	-985.53
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-64.15	-101.16	-118.38
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-64.57	-101.69	-115.36
Huron County, MI	Ozone	Maintenance	100	-	0.08	0.10	-0.58
Imperial County, CA	Ozone	Moderate	50	-	0.81	1.03	-5.88
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.80	1.01	-5.76
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.10	0.12	-0.69
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	6.59	8.35	-47.62
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.24	6.65	-37.90
Jackson County, IN	Ozone	Maintenance	100	-	0.23	0.30	-1.69
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.46	0.58	-3.31
Jefferson County, NY	Ozone	Moderate	50	-	0.37	0.47	-2.70
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.62	0.79	-4.50
Johnstown, PA	Ozone	Maintenance	100	-	0.23	0.29	-1.65
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.25	0.32	-1.81
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	0.05	-0.31
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.50	1.90	-10.81
Kalispell, MT	PM ₁₀	Moderate	100	-	0.11	0.13	-0.76
Kansas City, MO-KS	Ozone	Maintenance	100	-	5.51	6.99	-39.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.48	0.61	-3.46
Kent, WA	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.67
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.25	0.32	-1.80
Kewaunee County, WI	Ozone	Maintenance	100	-	0.07	0.09	-0.52
King County, WA	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.25
Klamath Falls, OR	CO	Maintenance	100	-	0.14	0.18	-1.03

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.14	0.18	-1.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.16	5.27	-30.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.13	3.97	-22.65
La Porte County, IN	SO _x	Maintenance	100	-	0.09	0.12	-0.68
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.33
Lake County, IN	SO _x	Maintenance	100	-	0.84	1.06	-6.07
Lake County, OH	SO _x	Maintenance	100	-	0.10	0.13	-0.75
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.12
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.13	0.17	-0.95
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.30	0.38	-2.17
Lake Tahoe, NV	CO	Maintenance	100	-	0.06	0.08	-0.44
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.19
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	1.44	1.82	-10.38
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.44	1.82	-10.38
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.47	1.86	-10.59
LaPorte, IN	Ozone	Maintenance	100	-	0.26	0.33	-1.88
Las Vegas, NV	CO	Serious	100	-	5.65	7.17	-40.86
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.71	7.24	-41.28
Lauderdale County, AL	SO _x	Maintenance	100	-	0.24	0.31	-1.77
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.11
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.23
Lima, OH	Ozone	Maintenance	100	-	-82.20	-129.39	-144.83
Longmont, CO	CO	Maintenance	100	-	0.34	0.43	-2.46
Lorain County, OH	SO _x	Maintenance	100	-	0.14	0.18	-1.03

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-181.77	-301.75	-779.82
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-181.77	-301.75	-779.82
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-181.77	-301.75	-779.82
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-181.77	-301.75	-779.83
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-181.77	-301.76	-779.81
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.40	3.04	-17.34
Louisville, KY-IN	Ozone	Maintenance	100	-	3.33	4.22	-24.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.17	4.02	-22.89
Lowell, MA	CO	Maintenance	100	-	0.39	0.49	-2.79
Lucas County, OH	SO _x	Maintenance	100	-	0.81	1.03	-5.87
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.15	0.18	-1.27
Macon, GA	Ozone	Maintenance	100	-	0.56	0.71	-4.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.55	0.70	-3.97
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Madison, WI	SO _x	Maintenance	100	-	0.89	1.13	-6.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.05	0.06	-0.34
Manchester, NH	CO	Maintenance	100	-	0.20	0.25	-1.44
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.29	0.37	-2.10
Marion County, IN	SO _x	Maintenance	100	-	0.87	1.10	-6.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.45	0.58	-3.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.99	1.25	-7.15
Mason County, MI	Ozone	Maintenance	100	-	0.08	0.11	-0.60
Medford, OR	CO	Maintenance	100	-	0.29	0.37	-2.12
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.71	0.90	-5.11
Memphis, TN-AR	Ozone	Maintenance	100	-	-22.66	-36.49	-64.09
Memphis, TN	CO	Maintenance	100	-	-22.86	-36.75	-62.63
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.11	0.14	-0.78

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Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	1.50	1.91	-10.87
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.61	7.12	-40.56
Minneapolis-St Paul, MN	CO	Maintenance	100	-	9.45	11.98	-68.27
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9.17	11.63	-66.28
Missoula, MT	CO	Maintenance	100	-	0.20	0.25	-1.44
Missoula, MT	PM ₁₀	Moderate	100	-	0.19	0.24	-1.39
Modesto, CA	CO	Maintenance	100	-	1.19	1.51	-8.59
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.41	0.52	-2.97
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Morristown, NJ	CO	Maintenance	100	-	0.13	0.16	-0.91
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.08	0.10	-0.57
Muncie, IN	Ozone	Maintenance	100	-	0.29	0.37	-2.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.02	-0.13
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	0.06	-0.35
Muskegon, MI	Ozone	Maintenance	100	-	0.40	0.51	-2.93
Nashua, NH	CO	Maintenance	100	-	0.16	0.21	-1.17
Nashville, TN	Ozone	Former Subpart 1	50	-	5.49	6.96	-39.64
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.63	0.79	-4.52
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.51	0.64	-3.67
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.27	2.88	-16.41
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.02	-0.12
New York County, NY	PM ₁₀	Moderate	100	-	1.22	1.55	-8.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.26	-12.23	-214.23
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	9.04	0.31	-392.92
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	8.61	-0.23	-389.88
Nogales, AZ	PM ₁₀	Moderate	100	-	0.13	0.17	-0.97

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Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-87.19	-138.60	-193.33
Ogden, UT	CO	Maintenance	100	-	0.20	0.26	-1.48
Ogden, UT	PM ₁₀	Moderate	100	-	0.20	0.26	-1.48
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.39
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.38	0.49	-2.77
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.13
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.41	0.52	-2.99
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.42	0.53	-3.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.48
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.27	0.34	-2.02
Perth Amboy, NJ	CO	Maintenance	100	-	-9.54	-15.10	-19.28
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.02	1.29	-7.36
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-129.29	-207.40	-342.00
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-123.21	-199.79	-389.16
Phoenix, AZ	CO	Maintenance	100	-	20.11	25.49	-145.87
Phoenix, AZ	PM ₁₀	Serious	70	-	20.62	26.14	-149.58
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	20.67	26.20	-149.94
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.20
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.10	0.12	-0.72
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	5.71	7.24	-41.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.21	6.60	-38.00
Polk County, TN	SO _x	Maintenance	100	-	0.06	0.08	-0.45
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08
Portland, ME	Ozone	Maintenance	100	-	1.73	2.20	-12.57

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Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	2.98	3.62	-26.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.13	0.16	-0.91
Poughkeepsie, NY	Ozone	Moderate	50	-	4.94	6.26	-35.68
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.18
Providence (entire State), RI	Ozone	Moderate	50	-	3.17	4.02	-22.91
Provo, UT	CO	Maintenance	100	-	0.59	0.75	-4.26
Raleigh-Durham, NC	CO	Maintenance	100	-	4.57	5.80	-33.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6.20	7.86	-44.78
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Reading, PA	Ozone	Maintenance	100	-	1.00	1.27	-7.26
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.00	1.27	-7.26
Reno, NV	CO	Maintenance	100	-	0.76	0.96	-5.48
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.62	4.55	-27.33
Rillito, AZ	PM ₁₀	Moderate	100	-	0.19	0.24	-1.36
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.59	3.28	-18.70
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.76	0.96	-5.46
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.26	0.33	-1.89
Rochester, NY	Ozone	Former Subpart 1	50	-	4.05	5.14	-29.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.53	0.67	-3.84
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.36	0.45	-2.58
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.82	7.38	-42.05
Sacramento Metro, CA	Ozone	Severe	25	-	10.80	13.69	-78.03
Sacramento, CA	CO	Maintenance	100	-	6.55	8.30	-47.33
Salem, OR	CO	Maintenance	100	-	0.39	0.49	-2.79
Salt Lake City, UT	CO	Maintenance	100	-	-22.28	-35.26	-44.77

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-19.64	-31.91	-63.88
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.34	4.24	-24.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	6.19	7.85	-44.75
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.46	1.85	-10.54
San Diego, CA	CO	Maintenance	100	-	15.58	19.75	-112.57
San Diego, CA	Ozone	Former Subpart 1	50	-	15.61	19.79	-112.79
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-167.60	-270.45	-490.00
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-164.88	-266.99	-509.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	15.69	19.38	-128.82
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	15.73	19.43	-129.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	15.69	19.38	-128.82
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.12	0.16	-0.89
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.03	2.57	-14.65
Seattle-Tacoma, WA	CO	Maintenance	100	-	10.07	12.77	-72.77
Sheboygan, WI	Ozone	Moderate	50	-	0.38	0.49	-2.78
Sheridan, WY	PM ₁₀	Moderate	100	-	0.06	0.08	-0.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.06	0.07	-0.41
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.37	1.74	-9.91
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.31	0.38	-2.74
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.99	1.26	-7.17
Spokane, WA	CO	Maintenance	100	-	0.98	1.24	-7.08
Springfield (western MA), MA	Ozone	Moderate	50	-	2.71	3.43	-19.55
Springfield, MA	CO	Maintenance	100	-	0.48	0.60	-3.44
St. Louis, MO	CO	Maintenance	100	-	2.24	2.84	-16.19
St. Louis, MO-IL	Ozone	Moderate	50	-	-361.02	-570.42	-699.30
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-361.08	-570.49	-698.89

Appendix B

Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.58	0.73	-4.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.08	0.10	-0.55
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.11	0.14	-0.80
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.40	-0.70	-2.90
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.40	-0.70	-2.90
Stockton, CA	CO	Maintenance	100	-	1.85	2.34	-13.34
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	1.47	1.86	-10.62
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	0.34	0.43	-2.42
Tioga County, PA	Ozone	Maintenance	100	-	0.15	0.19	-1.10
Toledo, OH	Ozone	Maintenance	100	-	-84.35	-133.15	-159.71
Toms River, NJ	CO	Maintenance	100	-	0.37	0.47	-2.67
Tooele County, UT	SO _x	Nonattainment	100	-	0.33	0.42	-2.38
Trenton, NJ	CO	Maintenance	100	-	0.28	0.36	-2.03
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.09
Tucson, AZ	CO	Maintenance	100	-	3.45	4.37	-24.93
Utah County, UT	PM ₁₀	Moderate	100	-	1.68	2.13	-12.17
Vancouver, WA	CO	Maintenance	100	-	1.15	1.46	-8.30
Ventura County, CA	Ozone	Serious	50	-	3.08	3.87	-23.24
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.14
Vigo County, IN	SO _x	Maintenance	100	-	0.34	0.43	-2.42
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.17	0.22	-1.23
Warren County, NJ	SO _x	Maintenance	100	-	0.11	0.14	-0.82
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.38
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.63	0.80	-4.58
Washington, DC-MD-VA	CO	Maintenance	100	-	5.14	6.52	-37.15

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Table B.1-12
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	18.42	23.36	-133.14
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	18.00	22.82	-130.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.76	0.96	-5.48
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.18	0.23	-1.30
Wayne County, MI	PM ₁₀	Maintenance	100	-	-40.58	-63.95	-73.54
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.03	0.03	-0.19
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.37	0.48	-2.71
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.37	0.48	-2.71
Winston-Salem, NC	CO	Maintenance	100	-	1.29	1.64	-9.33
Worcester, MA	CO	Maintenance	100	-	0.77	0.97	-5.55
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.30	0.38	-2.14
Yakima, WA	CO	Maintenance	100	-	0.15	0.19	-1.06
York, PA	Ozone	Maintenance	100	-	1.46	1.85	-10.55
York, PA	PM _{2.5}	Nonattainment	100	-	1.13	1.43	-8.16
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.68	2.13	-12.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.67	0.85	-4.85

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.21	-2.96	-6.15
Albuquerque, NM	CO	Maintenance	100	-	-1.03	-1.37	-2.85
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.25	-0.33	-0.69
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.03	-1.38	-2.86
Altoona, PA	Ozone	Maintenance	100	-	-0.19	-0.26	-0.53
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.27	-0.36	-0.74
Anchorage, AK	CO	Maintenance	100	-	-0.24	-0.32	-0.67
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Atlanta, GA	Ozone	Moderate	50	-	-11.43	-15.28	-31.75
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-11.43	-15.29	-31.77
Atlantic City, NJ	CO	Maintenance	100	-	-0.09	-0.12	-0.25
Bakersfield, CA	CO	Maintenance	100	-	-3.15	-4.54	-6.88
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.02	-0.05
Baltimore, MD	Ozone	Moderate	50	-	-5.14	-6.87	-14.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-5.14	-6.87	-14.27
Baton Rouge, LA	Ozone	Moderate	50	-	-27.18	-39.85	-55.18
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-361.17	-531.73	-721.01
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.32	-0.43	-0.90
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.05	-0.11
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.25	-0.34	-0.70
Billings, MT	CO	Maintenance	100	-	-51.33	-75.57	-102.49
Birmingham, AL	Ozone	Maintenance	100	-	-1.84	-2.47	-5.06

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.84	-2.47	-5.08
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.56	-0.74	-1.54
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.56	-0.74	-1.54
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Boston, MA	CO	Maintenance	100	-	-1.49	-1.99	-4.14
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-8.85	-11.84	-24.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.12	-1.49	-3.10
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.02	-0.05
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.02	-2.70	-5.61
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.91	-4.22	-6.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.91	-4.22	-6.21
Case County, MI	Ozone	Maintenance	100	-	-0.08	-0.10	-0.21
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Charleston, WV	Ozone	Maintenance	100	-	-0.49	-0.66	-1.37
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.49	-0.66	-1.37
Charlotte, NC	CO	Maintenance	100	-	-1.25	-1.68	-3.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-2.82	-3.77	-7.82
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.96	-1.28	-2.66
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.87	-1.16	-2.42
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-246.53	-361.38	-501.31
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-246.94	-361.93	-502.46
Chico, CA	CO	Maintenance	100	-	-0.18	-0.24	-0.49
Chico, CA	Ozone	Former Subpart 1	50	-	-0.41	-0.55	-1.15
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.42	-4.57	-9.50

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.32	-4.44	-9.23
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.03	-0.07
Clark County, NV	PM ₁₀	Serious	70	-	-2.51	-3.36	-6.97
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.44	-0.59	-1.23
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.32	-0.42	-0.88
Cleveland, OH	CO	Maintenance	100	-	-1.68	-2.24	-4.66
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-4.52	-6.04	-12.55
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-4.17	-5.58	-11.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.05	-1.40	-2.92
Colbert County, AL	SO _x	Maintenance	100	-	-0.11	-0.14	-0.30
Colorado Springs, CO	CO	Maintenance	100	-	-1.00	-1.34	-2.78
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.13	-1.51	-3.14
Columbus, OH	Ozone	Maintenance	100	-	-2.86	-3.83	-7.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.65	-3.55	-7.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.68	-2.24	-4.66
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.37	-1.83	-3.79
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-11.78	-15.76	-32.74
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.47	-1.97	-4.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.30	-1.75	-3.63
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-31.22	-45.28	-66.25
Denver-Boulder, CO	CO	Maintenance	100	-	-31.00	-44.99	-65.63
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-32.26	-46.68	-69.14
Detroit, MI	CO	Maintenance	100	-	-11.50	-16.54	-25.15
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-19.84	-28.14	-45.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.70	-27.94	-45.48

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.06	-0.08	-0.18
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Duluth, MN	CO	Maintenance	100	-	-0.14	-0.19	-0.40
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-61.05	-89.85	-122.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-7.81	-11.38	-16.22
El Paso, TX	CO	Maintenance	100	-	-0.05	-0.07	-0.15
Erie, PA	Ozone	Maintenance	100	-	-0.40	-0.54	-1.12
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.40	-0.53	-1.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.38	-0.51	-1.05
Evansville, IN	Ozone	Maintenance	100	-	-0.44	-0.59	-1.23
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.57	-0.76	-1.58
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.51	-0.69	-1.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Flint, MI	Ozone	Maintenance	100	-	-0.91	-1.22	-2.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.30	-0.40	-0.83
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.63	-0.85	-1.76
Franklin County, PA	Ozone	Maintenance	100	-	-0.26	-0.35	-0.73
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.23	-0.30	-0.63
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.70	-0.93	-1.93

Appendix B

**Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.08
Fresno, CA	CO	Maintenance	100	-	-1.00	-1.33	-2.77
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.39	-1.86	-3.86
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.20
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.07	-0.15
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.05	-0.10
Greater Connecticut, CT	Ozone	Moderate	50	-	-2.88	-3.85	-8.01
Greeley, CO	CO	Maintenance	100	-	-0.21	-0.28	-0.58
Green Bay, WI	SO _x	Maintenance	100	-	-0.21	-0.28	-0.59
Greene County, IN	Ozone	Maintenance	100	-	-0.08	-0.11	-0.23
Greene County, PA	Ozone	Maintenance	100	-	-0.08	-0.11	-0.22
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-2.83	-3.79	-7.87
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.41	-1.88	-3.90
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.58	-2.11	-4.38
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.05	-0.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.20	-0.27	-0.55
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.47	-1.96	-4.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.36	-1.81	-3.77
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-1.87	-2.50	-5.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.02	-0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.18
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Hazelwood, PA	SO _x	Maintenance	100	-	-0.07	-0.09	-0.20
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.31	-0.42	-0.87
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.52	-0.69	-1.43
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-114.61	-167.46	-236.20
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.32	-9.23	-13.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.07	-8.90	-12.35
Huron County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.14
Imperial County, CA	Ozone	Moderate	50	-	-0.37	-0.49	-1.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.36	-0.48	-1.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.16
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-3.44	-4.61	-9.57
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-2.73	-3.65	-7.58
Jackson County, IN	Ozone	Maintenance	100	-	-0.14	-0.19	-0.39
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.27	-0.36	-0.76
Jefferson County, NY	Ozone	Moderate	50	-	-0.22	-0.29	-0.60
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.38	-0.51	-1.06
Johnstown, PA	Ozone	Maintenance	100	-	-0.18	-0.25	-0.51
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.20	-0.27	-0.56
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.88	-1.18	-2.45
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.14
Kansas City, MO-KS	Ozone	Maintenance	100	-	-2.86	-3.83	-7.95
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.25	-0.33	-0.68
Kent, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.12
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.14	-0.19	-0.40
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.12
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Klamath Falls, OR	CO	Maintenance	100	-	-0.09	-0.12	-0.24

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.09	-0.12	-0.24
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.02	-2.70	-5.60
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.57	-2.10	-4.36
La Porte County, IN	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Lake County, IN	SO _x	Maintenance	100	-	-0.54	-0.72	-1.49
Lake County, OH	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.06	-0.13
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.10	-0.13	-0.28
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.05	-0.10
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.78	-1.04	-2.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.78	-1.04	-2.16
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.83	-1.11	-2.30
LaPorte, IN	Ozone	Maintenance	100	-	-0.17	-0.23	-0.48
Las Vegas, NV	CO	Serious	100	-	-2.51	-3.36	-6.97
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.55	-3.41	-7.08
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.16	-0.21	-0.43
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.03	-0.07
Lima, OH	Ozone	Maintenance	100	-	-38.49	-56.65	-76.93
Longmont, CO	CO	Maintenance	100	-	-0.15	-0.21	-0.43
Lorain County, OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.22

Appendix B

Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-107.71	-155.09	-235.29
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-107.71	-155.09	-235.29
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-107.71	-155.09	-235.29
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-107.72	-155.10	-235.29
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-107.71	-155.09	-235.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.17	-1.57	-3.26
Louisville, KY-IN	Ozone	Maintenance	100	-	-1.98	-2.64	-5.49
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-1.92	-2.56	-5.33
Lowell, MA	CO	Maintenance	100	-	-0.20	-0.26	-0.54
Lucas County, OH	SO _x	Maintenance	100	-	-0.53	-0.71	-1.47
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.11	-0.15	-0.31
Macon, GA	Ozone	Maintenance	100	-	-0.37	-0.50	-1.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.37	-0.49	-1.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.01
Madison, WI	SO _x	Maintenance	100	-	-0.41	-0.55	-1.15
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Manchester, NH	CO	Maintenance	100	-	-0.14	-0.18	-0.38
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.18	-0.24	-0.50
Marion County, IN	SO _x	Maintenance	100	-	-0.55	-0.74	-1.54
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.18	-0.25	-0.51
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.55	-0.74	-1.54
Mason County, MI	Ozone	Maintenance	100	-	-0.05	-0.06	-0.13
Medford, OR	CO	Maintenance	100	-	-0.13	-0.17	-0.36
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.31	-0.42	-0.86
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.18	-4.44	-7.72
Memphis, TN	CO	Maintenance	100	-	-3.03	-4.25	-7.32
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14

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Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-0.93	-1.25	-2.59
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.08	-4.12	-8.56
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-12.56	-17.83	-28.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-4.82	-6.44	-13.39
Missoula, MT	CO	Maintenance	100	-	-0.11	-0.14	-0.29
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.28
Modesto, CA	CO	Maintenance	100	-	-0.51	-0.68	-1.42
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.23	-0.48
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.05	-0.07	-0.15
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Muncie, IN	Ozone	Maintenance	100	-	-0.21	-0.28	-0.58
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Muskegon, MI	Ozone	Maintenance	100	-	-0.22	-0.30	-0.62
Nashua, NH	CO	Maintenance	100	-	-0.11	-0.15	-0.30
Nashville, TN	Ozone	Former Subpart 1	50	-	-2.80	-3.75	-7.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.23	-0.30	-0.63
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.24	-0.32	-0.66
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.38	-1.85	-3.84
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-0.81	-1.09	-2.26
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-20.50	-28.34	-51.62
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-34.08	-46.69	-88.23
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-33.86	-46.40	-87.63
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.19

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Table B.1-13
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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-18.43	-26.77	-38.91
Ogden, UT	CO	Maintenance	100	-	-0.12	-0.16	-0.34
Ogden, UT	PM ₁₀	Moderate	100	-	-0.12	-0.16	-0.34
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.24	-0.50
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.26	-0.34	-0.71
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.26	-0.34	-0.71
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.18	-0.24	-0.49
Perth Amboy, NJ	CO	Maintenance	100	-	-1.56	-2.27	-3.21
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.70	-0.93	-1.94
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-65.55	-95.48	-136.84
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-69.17	-100.31	-146.88
Phoenix, AZ	CO	Maintenance	100	-	-7.61	-10.18	-21.14
Phoenix, AZ	PM ₁₀	Serious	70	-	-7.85	-10.50	-21.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-7.88	-10.54	-21.89
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.05	-0.11
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.56	-4.77	-9.87
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.26	-4.36	-9.02
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.05	-0.10
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Portland, ME	Ozone	Maintenance	100	-	-0.97	-1.30	-2.71

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.17	-2.92	-5.92
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.08	-0.10	-0.21
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.30	-3.07	-6.39
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Providence (entire State), RI	Ozone	Moderate	50	-	-1.70	-2.27	-4.71
Provo, UT	CO	Maintenance	100	-	-0.27	-0.37	-0.76
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.21	-2.96	-6.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.02	-4.04	-8.39
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.58	-0.78	-1.61
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.58	-0.78	-1.61
Reno, NV	CO	Maintenance	100	-	-0.42	-0.57	-1.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.13	-2.85	-5.92
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.11	-0.23
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.05	-1.40	-2.92
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.46	-0.62	-1.28
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.14	-0.18	-0.38
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.33	-3.12	-6.48
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.33	-0.44	-0.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.21	-0.28	-0.58
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.48	-3.31	-6.88
Sacramento Metro, CA	Ozone	Severe	25	-	-4.41	-5.90	-12.26
Sacramento, CA	CO	Maintenance	100	-	-2.75	-3.68	-7.65
Salem, OR	CO	Maintenance	100	-	-0.23	-0.31	-0.64
Salt Lake City, UT	CO	Maintenance	100	-	-1.52	-2.18	-3.31

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Table B.1-13
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.92	-4.06	-7.22
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.77	-2.37	-4.92
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.18	-4.26	-8.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.73	-0.97	-2.02
San Diego, CA	CO	Maintenance	100	-	-6.94	-9.28	-19.28
San Diego, CA	Ozone	Former Subpart 1	50	-	-6.95	-9.30	-19.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-240.11	-352.11	-487.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-241.58	-354.07	-491.57
San Joaquin Valley, CA	Ozone	Extreme	10	-	-9.96	-13.65	-25.80
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-10.00	-13.70	-25.90
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-9.96	-13.65	-25.80
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.17	-1.56	-3.24
Seattle-Tacoma, WA	CO	Maintenance	100	-	-5.10	-6.83	-14.18
Sheboygan, WI	Ozone	Moderate	50	-	-0.20	-0.27	-0.57
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.11
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.08
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.79	-1.05	-2.19
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.32	-0.42	-0.88
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.51	-0.68	-1.41
Spokane, WA	CO	Maintenance	100	-	-0.50	-0.67	-1.40
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.56	-2.08	-4.32
Springfield, MA	CO	Maintenance	100	-	-0.25	-0.33	-0.69
St. Louis, MO	CO	Maintenance	100	-	-1.65	-2.21	-4.59
St. Louis, MO-IL	Ozone	Moderate	50	-	-201.07	-295.37	-405.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-201.03	-295.33	-405.08

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Table B.1-13
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.29	-0.39	-0.81
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.08	-0.10	-0.21
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.85	-2.70	-3.83
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.85	-2.70	-3.83
Stockton, CA	CO	Maintenance	100	-	-0.77	-1.03	-2.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.90	-1.21	-2.51
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.24	-0.32	-0.65
Tioga County, PA	Ozone	Maintenance	100	-	-0.10	-0.13	-0.28
Toledo, OH	Ozone	Maintenance	100	-	-11.79	-17.23	-24.27
Toms River, NJ	CO	Maintenance	100	-	-0.17	-0.22	-0.47
Tooele County, UT	SO _x	Nonattainment	100	-	-0.17	-0.23	-0.48
Trenton, NJ	CO	Maintenance	100	-	-0.15	-0.21	-0.43
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Tucson, AZ	CO	Maintenance	100	-	-1.69	-2.26	-4.69
Utah County, UT	PM ₁₀	Moderate	100	-	-0.82	-1.10	-2.29
Vancouver, WA	CO	Maintenance	100	-	-0.52	-0.69	-1.44
Ventura County, CA	Ozone	Serious	50	-	-1.52	-2.05	-4.13
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Vigo County, IN	SO _x	Maintenance	100	-	-0.24	-0.32	-0.65
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.10	-0.13	-0.27
Warren County, NJ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.03	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.37	-0.50	-1.03
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.71	-3.63	-7.53

Table B.1-13
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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-9.20	-12.30	-25.55
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-9.01	-12.05	-25.03
Washoe County, NV	PM ₁₀	Serious	70	-	-0.42	-0.57	-1.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.13	-0.17	-0.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	-3.93	-5.76	-7.93
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Weirton, WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.27	-0.36	-0.75
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.27	-0.36	-0.75
Winston-Salem, NC	CO	Maintenance	100	-	-0.71	-0.95	-1.98
Worcester, MA	CO	Maintenance	100	-	-0.37	-0.50	-1.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.16	-0.21	-0.45
Yakima, WA	CO	Maintenance	100	-	-0.06	-0.09	-0.18
York, PA	Ozone	Maintenance	100	-	-0.76	-1.02	-2.12
York, PA	PM _{2.5}	Nonattainment	100	-	-0.59	-0.80	-1.65
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.14	-1.52	-3.16
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.31	-0.42	-0.87

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.02	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.92	-7.32	-13.82
Albuquerque, NM	CO	Maintenance	100	-	-2.27	-3.38	-6.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.56	-0.83	-1.58
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.28	-3.40	-6.41
Altoona, PA	Ozone	Maintenance	100	-	-0.42	-0.62	-1.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.64	-0.95	-1.80
Anchorage, AK	CO	Maintenance	100	-	-0.55	-0.81	-1.54
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Atlanta, GA	Ozone	Moderate	50	-	-25.80	-38.39	-72.45
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-25.81	-38.41	-72.49
Atlantic City, NJ	CO	Maintenance	100	-	-0.20	-0.29	-0.56
Bakersfield, CA	CO	Maintenance	100	-	-6.47	-9.86	4.85
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Baltimore, MD	Ozone	Moderate	50	-	-11.52	-17.13	-32.34
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-11.52	-17.13	-32.34
Baton Rouge, LA	Ozone	Moderate	50	-	-54.16	-83.19	96.22
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-715.95	-1,101.48	1,440.04
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.69	-1.03	-1.95
Benzie County, MI	Ozone	Maintenance	100	-	-0.09	-0.13	-0.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.57	-0.84	-1.59
Billings, MT	CO	Maintenance	100	-	-101.76	-156.55	204.38
Birmingham, AL	Ozone	Maintenance	100	-	-4.02	-5.98	-10.73

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.03	-6.00	-10.77
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.25	-1.86	-3.52
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.25	-1.86	-3.52
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.18
Boston, MA	CO	Maintenance	100	-	-3.28	-4.89	-9.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-19.66	-29.26	-55.22
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.50	-3.73	-7.03
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.44	-6.61	-12.47
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.09
Butte, MT	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.21
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.87	-8.98	6.40
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.87	-8.98	6.40
Case County, MI	Ozone	Maintenance	100	-	-0.17	-0.25	-0.47
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Charleston, WV	Ozone	Maintenance	100	-	-1.06	-1.58	-2.99
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.06	-1.58	-2.99
Charlotte, NC	CO	Maintenance	100	-	-2.84	-4.22	-7.97
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-6.34	-9.44	-17.82
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.11	-3.13	-5.90
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.92	-2.85	-5.37
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-491.69	-755.14	862.69
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-492.62	-756.52	860.09
Chico, CA	CO	Maintenance	100	-	-0.42	-0.62	-1.18
Chico, CA	Ozone	Former Subpart 1	50	-	-0.97	-1.44	-2.71
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-7.59	-11.29	-21.31

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**Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-7.37	-10.96	-20.69
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.15
Clark County, NV	PM ₁₀	Serious	70	-	-5.79	-8.61	-16.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.00	-1.49	-2.81
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.69	-1.03	-1.95
Cleveland, OH	CO	Maintenance	100	-	-3.60	-5.36	-10.11
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-9.91	-14.74	-27.82
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-9.13	-13.59	-25.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.47	-3.67	-6.92
Colbert County, AL	SO _x	Maintenance	100	-	-0.23	-0.34	-0.64
Colorado Springs, CO	CO	Maintenance	100	-	-2.28	-3.39	-6.39
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.51	-3.73	-7.04
Columbus, OH	Ozone	Maintenance	100	-	-6.48	-9.63	-18.18
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-6.01	-8.94	-16.87
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.60	-5.36	-10.11
Cuyahoga County, OH	SO _x	Maintenance	100	-	-2.94	-4.38	-8.27
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-26.87	-39.97	-75.45
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.22	-4.78	-9.03
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.84	-4.23	-7.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-63.32	-96.84	72.48
Denver-Boulder, CO	CO	Maintenance	100	-	-62.82	-96.10	73.89
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-65.69	-100.36	65.84
Detroit, MI	CO	Maintenance	100	-	-23.16	-35.33	17.29
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-41.20	-62.48	-2.74
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-40.86	-61.99	-1.81

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Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.14	-0.21	-0.40
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.14	-0.20	-0.38
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.11	-0.16	-0.30
Duluth, MN	CO	Maintenance	100	-	-0.31	-0.47	-0.88
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-121.07	-186.24	240.97
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-15.69	-24.04	22.68
El Paso, TX	CO	Maintenance	100	-	-0.12	-0.18	-0.34
Erie, PA	Ozone	Maintenance	100	-	-0.88	-1.30	-2.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.89	-1.32	-2.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.85	-1.26	-2.38
Evansville, IN	Ozone	Maintenance	100	-	-0.98	-1.45	-2.74
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.25	-1.87	-3.52
Fairbanks, AK	CO	Maintenance	100	-	-0.07	-0.10	-0.19
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.14	-1.69	-3.19
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Flint, MI	Ozone	Maintenance	100	-	-2.00	-2.97	-5.61
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.68	-1.01	-1.91
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.40	-2.09	-3.94
Franklin County, PA	Ozone	Maintenance	100	-	-0.59	-0.87	-1.65
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.50	-0.75	-1.41
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.60	-2.38	-4.49

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Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.07	-0.10	-0.19
Fresno, CA	CO	Maintenance	100	-	-2.27	-3.38	-6.38
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.13	-4.65	-8.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.16	-0.23	-0.44
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.13	-0.19	-0.36
Great Falls, MT	CO	Maintenance	100	-	-0.08	-0.11	-0.21
Greater Connecticut, CT	Ozone	Moderate	50	-	-6.33	-9.41	-17.77
Greeley, CO	CO	Maintenance	100	-	-0.47	-0.71	-1.33
Green Bay, WI	SO _x	Maintenance	100	-	-0.47	-0.70	-1.33
Greene County, IN	Ozone	Maintenance	100	-	-0.19	-0.28	-0.53
Greene County, PA	Ozone	Maintenance	100	-	-0.17	-0.26	-0.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-6.25	-9.29	-17.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.09	-4.60	-8.67
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.45	-5.14	-9.70
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.09	-0.13	-0.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.44	-0.66	-1.24
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.29	-4.90	-9.25
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.04	-4.52	-8.54
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.09	-6.09	-11.50
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.15	-0.22	-0.42
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.15	-0.23	-0.43
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.68	-1.02	-1.92
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.13	-1.68	-3.17
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03

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Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-229.68	-352.28	359.68
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-12.62	-19.36	19.89
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-12.09	-18.57	21.39
Huron County, MI	Ozone	Maintenance	100	-	-0.11	-0.16	-0.31
Imperial County, CA	Ozone	Moderate	50	-	-0.84	-1.26	-2.37
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.83	-1.23	-2.32
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.13	-0.19	-0.36
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-7.72	-11.48	-21.67
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-6.12	-9.10	-17.18
Jackson County, IN	Ozone	Maintenance	100	-	-0.30	-0.45	-0.86
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.60	-0.89	-1.68
Jefferson County, NY	Ozone	Moderate	50	-	-0.48	-0.71	-1.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.83	-1.24	-2.34
Johnstown, PA	Ozone	Maintenance	100	-	-0.39	-0.58	-1.09
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.43	-0.63	-1.20
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.94	-2.89	-5.45
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.32
Kansas City, MO-KS	Ozone	Maintenance	100	-	-6.42	-9.55	-18.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.55	-0.82	-1.55
Kent, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.14	-0.27
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.32	-0.47	-0.89
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.09	-0.14	-0.27
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Klamath Falls, OR	CO	Maintenance	100	-	-0.19	-0.28	-0.53

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.19	-0.28	-0.53
Knoxville, TN	Ozone	Former Subpart 1	50	-	-4.58	-6.81	-12.86
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.54	-5.27	-9.95
La Porte County, IN	SO _x	Maintenance	100	-	-0.13	-0.20	-0.37
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.16
Lake County, IN	SO _x	Maintenance	100	-	-1.17	-1.74	-3.28
Lake County, OH	SO _x	Maintenance	100	-	-0.14	-0.20	-0.39
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.17	-0.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.24	-0.36	-0.68
Lake Tahoe, NV	CO	Maintenance	100	-	-0.08	-0.12	-0.22
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-1.73	-2.58	-4.87
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.73	-2.58	-4.87
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.83	-2.73	-5.15
LaPorte, IN	Ozone	Maintenance	100	-	-0.37	-0.56	-1.05
Las Vegas, NV	CO	Serious	100	-	-5.79	-8.61	-16.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-5.87	-8.74	-16.50
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.34	-0.50	-0.95
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.15
Lima, OH	Ozone	Maintenance	100	-	-76.32	-117.41	152.28
Longmont, CO	CO	Maintenance	100	-	-0.35	-0.52	-0.99
Lorain County, OH	SO _x	Maintenance	100	-	-0.18	-0.26	-0.50

Appendix B

**Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-220.65	-336.51	162.12
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-220.65	-336.51	162.12
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-220.65	-336.51	162.12
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-220.65	-336.51	162.12
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-220.65	-336.51	162.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.66	-3.96	-7.48
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.34	-6.46	-12.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.20	-6.25	-11.79
Lowell, MA	CO	Maintenance	100	-	-0.44	-0.65	-1.23
Lucas County, OH	SO _x	Maintenance	100	-	-1.15	-1.71	-3.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.24	-0.36	-0.67
Macon, GA	Ozone	Maintenance	100	-	-0.81	-1.20	-2.26
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.80	-1.19	-2.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.94	-1.40	-2.65
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
Manchester, NH	CO	Maintenance	100	-	-0.30	-0.44	-0.83
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.39	-0.58	-1.09
Marion County, IN	SO _x	Maintenance	100	-	-1.20	-1.79	-3.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.43	-0.65	-1.22
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.23	-1.83	-3.45
Mason County, MI	Ozone	Maintenance	100	-	-0.10	-0.15	-0.28
Medford, OR	CO	Maintenance	100	-	-0.30	-0.45	-0.84
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.72	-1.07	-2.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.64	-10.02	-5.11
Memphis, TN	CO	Maintenance	100	-	-6.33	-9.56	-4.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.11	-0.17	-0.32

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	-2.03	-3.02	-5.71
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-6.85	-10.19	-19.24
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-26.18	-39.71	-0.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-10.79	-16.05	-30.29
Missoula, MT	CO	Maintenance	100	-	-0.24	-0.35	-0.66
Missoula, MT	PM ₁₀	Moderate	100	-	-0.23	-0.34	-0.64
Modesto, CA	CO	Maintenance	100	-	-1.19	-1.77	-3.34
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.40	-0.59	-1.12
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.13	-0.19	-0.35
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.11	-0.17	-0.31
Muncie, IN	Ozone	Maintenance	100	-	-0.44	-0.66	-1.25
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Muscatine County, IA	SO _x	Maintenance	100	-	-0.06	-0.09	-0.16
Muskegon, MI	Ozone	Maintenance	100	-	-0.50	-0.74	-1.40
Nashua, NH	CO	Maintenance	100	-	-0.24	-0.35	-0.67
Nashville, TN	Ozone	Former Subpart 1	50	-	-6.30	-9.38	-17.70
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.54	-0.81	-1.53
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.54	-0.80	-1.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.02	-4.50	-8.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
New York County, NY	PM ₁₀	Moderate	100	-	-1.75	-2.61	-4.93
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-43.60	-65.56	-57.21
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-73.49	-110.16	-127.50
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-73.00	-109.44	-126.14
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.23	-0.44

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-37.14	-56.84	45.87
Ogden, UT	CO	Maintenance	100	-	-0.27	-0.40	-0.76
Ogden, UT	PM ₁₀	Moderate	100	-	-0.27	-0.40	-0.76
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.41	-0.61	-1.16
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.56	-0.83	-1.57
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.56	-0.84	-1.58
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.21
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.38	-0.57	-1.08
Perth Amboy, NJ	CO	Maintenance	100	-	-3.12	-4.79	4.86
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.50	-2.23	-4.21
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-131.62	-201.64	183.67
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-139.62	-213.55	161.18
Phoenix, AZ	CO	Maintenance	100	-	-18.14	-26.99	-50.94
Phoenix, AZ	PM ₁₀	Serious	70	-	-18.69	-27.81	-52.49
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-18.76	-27.91	-52.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.09	-0.13	-0.25
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-7.78	-11.58	-21.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-7.11	-10.59	-19.61
Polk County, TN	SO _x	Maintenance	100	-	-0.08	-0.12	-0.23
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Portland, ME	Ozone	Maintenance	100	-	-2.16	-3.21	-6.06

Appendix B

**Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-4.76	-7.09	-11.92
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.17	-0.25	-0.47
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.26	-7.82	-14.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	-3.79	-5.63	-10.64
Provo, UT	CO	Maintenance	100	-	-0.63	-0.93	-1.76
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.02	-7.47	-14.10
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-6.85	-10.19	-19.23
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-1.28	-1.91	-3.60
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.28	-1.91	-3.60
Reno, NV	CO	Maintenance	100	-	-0.94	-1.40	-2.64
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-4.71	-7.01	-13.23
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.19	-0.28	-0.53
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.47	-3.67	-6.92
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.01	-1.50	-2.83
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.31	-0.46	-0.87
Rochester, NY	Ozone	Former Subpart 1	50	-	-5.15	-7.66	-14.45
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.71	-1.06	-2.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.46	-0.69	-1.30
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.76	-8.57	-16.17
Sacramento Metro, CA	Ozone	Severe	25	-	-10.35	-15.41	-29.08
Sacramento, CA	CO	Maintenance	100	-	-6.43	-9.56	-18.05
Salem, OR	CO	Maintenance	100	-	-0.50	-0.75	-1.42
Salt Lake City, UT	CO	Maintenance	100	-	-3.10	-4.73	2.32

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.24	-9.40	-6.51
Salt Lake County, UT	SO _x	Nonattainment	100	-	-3.96	-5.89	-11.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	-7.15	-10.64	-20.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.66	-2.46	-4.65
San Diego, CA	CO	Maintenance	100	-	-15.99	-23.80	-44.92
San Diego, CA	Ozone	Former Subpart 1	50	-	-16.02	-23.84	-45.00
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-479.00	-735.74	849.37
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-482.28	-740.62	840.16
San Joaquin Valley, CA	Ozone	Extreme	10	-	-22.28	-33.39	-39.55
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-22.35	-33.50	-39.76
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-22.28	-33.39	-39.55
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.13	-0.19	-0.36
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.57	-3.83	-7.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	-11.50	-17.11	-32.29
Sheboygan, WI	Ozone	Moderate	50	-	-0.46	-0.68	-1.28
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.10	-0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.74	-2.59	-4.88
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.67	-1.00	-1.88
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.14	-1.70	-3.21
Spokane, WA	CO	Maintenance	100	-	-1.13	-1.68	-3.18
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.43	-5.11	-9.64
Springfield, MA	CO	Maintenance	100	-	-0.55	-0.82	-1.55
St. Louis, MO	CO	Maintenance	100	-	-3.52	-5.24	-9.89
St. Louis, MO-IL	Ozone	Moderate	50	-	-399.55	-614.17	752.83
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-399.47	-614.06	753.04

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.66	-0.98	-1.84
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.16	-0.24	-0.46
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-3.70	-5.67	5.69
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-3.70	-5.67	5.69
Stockton, CA	CO	Maintenance	100	-	-1.79	-2.66	-5.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.97	-2.94	-5.54
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.51	-0.75	-1.42
Tioga County, PA	Ozone	Maintenance	100	-	-0.22	-0.32	-0.61
Toledo, OH	Ozone	Maintenance	100	-	-23.56	-36.14	37.44
Toms River, NJ	CO	Maintenance	100	-	-0.38	-0.57	-1.07
Tooele County, UT	SO _x	Nonattainment	100	-	-0.39	-0.58	-1.09
Trenton, NJ	CO	Maintenance	100	-	-0.34	-0.51	-0.95
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Tucson, AZ	CO	Maintenance	100	-	-3.82	-5.69	-10.74
Utah County, UT	PM ₁₀	Moderate	100	-	-1.87	-2.78	-5.24
Vancouver, WA	CO	Maintenance	100	-	-1.20	-1.78	-3.36
Ventura County, CA	Ozone	Serious	50	-	-3.47	-5.18	-8.61
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	-0.51	-0.75	-1.42
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.22	-0.32	-0.61
Warren County, NJ	SO _x	Maintenance	100	-	-0.14	-0.21	-0.39
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.15
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.82	-1.22	-2.30
Washington, DC-MD-VA	CO	Maintenance	100	-	-6.02	-8.96	-16.91

Appendix B

Table B.1-14
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-20.77	-30.90	-58.32
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-20.33	-30.25	-57.11
Washoe County, NV	PM ₁₀	Serious	70	-	-0.94	-1.40	-2.64
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.28	-0.41	-0.77
Wayne County, MI	PM ₁₀	Maintenance	100	-	-7.85	-12.06	14.51
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Weirton, WV	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.57	-0.85	-1.61
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.57	-0.85	-1.61
Winston-Salem, NC	CO	Maintenance	100	-	-1.58	-2.35	-4.44
Worcester, MA	CO	Maintenance	100	-	-0.84	-1.25	-2.35
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.36	-0.53	-1.00
Yakima, WA	CO	Maintenance	100	-	-0.15	-0.22	-0.41
York, PA	Ozone	Maintenance	100	-	-1.71	-2.55	-4.81
York, PA	PM _{2.5}	Nonattainment	100	-	-1.33	-1.98	-3.74
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.45	-3.65	-6.89
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.71	-1.06	-2.01

- a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
- b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
- c. Emissions thresholds in tons/year of VOCs or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.04	-0.07	-0.12
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-12.30	-19.84	-35.01
Albuquerque, NM	CO	Maintenance	100	-	-5.60	-9.02	-15.92
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.49	-2.40	-4.23
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-5.68	-9.15	-16.16
Altoona, PA	Ozone	Maintenance	100	-	-0.96	-1.52	-2.14
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.94	-3.12	-5.51
Anchorage, AK	CO	Maintenance	100	-	-1.45	-2.34	-4.13
Anthony, NM	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.20
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.13
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.20
Atlanta, GA	Ozone	Moderate	50	-	-67.26	-108.46	-191.40
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-67.29	-108.50	-191.49
Atlantic City, NJ	CO	Maintenance	100	-	-0.47	-0.76	-1.35
Bakersfield, CA	CO	Maintenance	100	-	-15.05	-18.52	65.45
Baltimore, MD	CO	Maintenance	100	-	-0.09	-0.15	-0.26
Baltimore, MD	Ozone	Moderate	50	-	-29.45	-47.48	-83.79
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-29.45	-47.48	-83.79
Baton Rouge, LA	Ozone	Moderate	50	-	-120.78	-132.71	824.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,586.90	-1,696.54	11,723.60
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.57	-2.53	-4.46
Benzie County, MI	Ozone	Maintenance	100	-	-0.25	-0.40	-0.70
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.45	-2.34	-4.13
Billings, MT	CO	Maintenance	100	-	-225.59	-241.27	1,664.81
Birmingham, AL	Ozone	Maintenance	100	-	-9.61	-15.36	-24.78

Appendix B

Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-9.64	-15.41	-24.87
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-3.25	-5.24	-9.25
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-3.25	-5.24	-9.25
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.18	-0.29	-0.51
Boston, MA	CO	Maintenance	100	-	-8.02	-12.93	-22.81
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-49.02	-79.05	-139.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-6.41	-10.34	-18.25
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.09	-0.14	-0.25
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-10.74	-17.31	-30.55
Burlington, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.18
Butte, MT	PM ₁₀	Moderate	100	-	-0.18	-0.28	-0.50
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.20	-0.33	-0.58
Canton-Massillon, OH	Ozone	Maintenance	100	-	-13.17	-15.52	70.23
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-13.17	-15.52	70.23
Case County, MI	Ozone	Maintenance	100	-	-0.40	-0.65	-1.15
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.05	-0.09	-0.15
Charleston, WV	Ozone	Maintenance	100	-	-2.43	-3.92	-6.91
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.43	-3.92	-6.91
Charlotte, NC	CO	Maintenance	100	-	-7.45	-12.01	-21.20
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-16.45	-26.52	-46.81
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-5.09	-8.20	-14.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-4.68	-7.54	-13.23
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,098.49	-1,210.64	7,432.51
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,100.83	-1,214.41	7,425.84
Chico, CA	CO	Maintenance	100	-	-1.24	-2.01	-3.54
Chico, CA	Ozone	Former Subpart 1	50	-	-2.74	-4.41	-7.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-18.90	-30.47	-53.77

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Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-18.31	-29.53	-52.11
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.12	-0.19	-0.33
Clark County, NV	PM ₁₀	Serious	70	-	-15.95	-25.72	-45.40
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.59	-4.17	-7.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.67	-2.70	-4.76
Cleveland, OH	CO	Maintenance	100	-	-8.10	-13.06	-23.04
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-23.81	-38.39	-67.76
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-21.86	-35.25	-62.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	-7.09	-11.43	-20.17
Colbert County, AL	SO _x	Maintenance	100	-	-0.51	-0.83	-1.46
Colorado Springs, CO	CO	Maintenance	100	-	-6.08	-9.80	-17.29
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.16
Columbia, SC	Ozone	Former Subpart 1	50	-	-6.23	-10.05	-17.73
Columbus, OH	Ozone	Maintenance	100	-	-17.00	-27.41	-48.37
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-15.80	-25.48	-44.97
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-8.10	-13.06	-23.05
Cuyahoga County, OH	SO _x	Maintenance	100	-	-6.73	-10.86	-19.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-71.86	-115.86	-204.47
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-7.59	-12.23	-21.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-6.68	-10.77	-19.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-145.21	-171.59	764.80
Denver-Boulder, CO	CO	Maintenance	100	-	-143.88	-169.44	768.58
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-151.47	-181.69	746.96
Detroit, MI	CO	Maintenance	100	-	-50.16	-61.06	230.64
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-95.79	-126.24	258.97
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-94.97	-124.91	261.31

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Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.37	-0.59	-1.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.33	-0.53	-0.93
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.26	-0.43	-0.75
Duluth, MN	CO	Maintenance	100	-	-0.73	-1.17	-2.07
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.26
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-268.44	-287.67	1,970.31
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-35.39	-40.39	213.34
El Paso, TX	CO	Maintenance	100	-	-0.30	-0.48	-0.84
Erie, PA	Ozone	Maintenance	100	-	-2.08	-3.35	-5.91
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.05
Eugene-Springfield, OR	CO	Maintenance	100	-	-2.26	-3.64	-6.42
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.16	-3.49	-6.16
Evansville, IN	Ozone	Maintenance	100	-	-2.38	-3.83	-6.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.03	-4.89	-8.63
Fairbanks, AK	CO	Maintenance	100	-	-0.18	-0.29	-0.51
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.81	-4.53	-8.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.07	-0.12	-0.21
Flint, MI	Ozone	Maintenance	100	-	-4.80	-7.75	-13.67
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-1.84	-2.96	-5.23
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-3.48	-5.62	-9.91
Franklin County, PA	Ozone	Maintenance	100	-	-1.49	-2.40	-4.23
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.25	-2.02	-3.56
Fredericksburg, VA	Ozone	Maintenance	100	-	-4.37	-7.04	-12.43

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Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.19	-0.30	-0.53
Fresno, CA	CO	Maintenance	100	-	-6.02	-9.71	-17.14
Grand Rapids, MI	Ozone	Maintenance	100	-	-8.07	-13.01	-22.96
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.36	-0.57	-1.01
Grant County, NM	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.34	-0.55	-0.97
Great Falls, MT	CO	Maintenance	100	-	-0.16	-0.27	-0.47
Greater Connecticut, CT	Ozone	Moderate	50	-	-15.23	-24.56	-43.34
Greeley, CO	CO	Maintenance	100	-	-1.24	-1.99	-3.51
Green Bay, WI	SO _x	Maintenance	100	-	-1.19	-1.92	-3.39
Greene County, IN	Ozone	Maintenance	100	-	-0.46	-0.74	-1.31
Greene County, PA	Ozone	Maintenance	100	-	-0.42	-0.67	-1.18
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-15.25	-24.59	-43.40
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-7.47	-12.04	-21.25
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-8.24	-13.28	-23.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.21	-0.34	-0.60
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.10	-1.78	-3.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-8.45	-13.63	-24.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-7.79	-12.56	-22.17
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-9.73	-15.69	-27.69
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.10	-0.17	-0.30
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.41	-0.66	-1.17
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.05	-0.08	-0.13
Hazelwood, PA	SO _x	Maintenance	100	-	-0.38	-0.61	-1.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.61	-2.59	-4.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.70	-4.35	-7.68
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06

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**Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-516.51	-581.79	3,258.40
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-28.12	-31.51	180.44
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-26.81	-29.41	184.14
Huron County, MI	Ozone	Maintenance	100	-	-0.26	-0.42	-0.73
Imperial County, CA	Ozone	Moderate	50	-	-2.31	-3.73	-6.57
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.26	-3.65	-6.44
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.31	-0.49	-0.87
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-19.72	-31.79	-56.10
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-15.66	-25.26	-44.57
Jackson County, IN	Ozone	Maintenance	100	-	-0.74	-1.19	-2.10
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.44	-2.32	-4.10
Jefferson County, NY	Ozone	Moderate	50	-	-1.16	-1.87	-3.30
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-1.98	-3.20	-5.64
Johnstown, PA	Ozone	Maintenance	100	-	-0.82	-1.33	-2.34
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.90	-1.46	-2.57
Juneau, AK	PM ₁₀	Moderate	100	-	-0.12	-0.19	-0.34
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-4.69	-7.57	-13.36
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.30	-0.49	-0.86
Kansas City, MO-KS	Ozone	Maintenance	100	-	-16.45	-26.53	-46.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.42	-2.30	-4.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.26	-0.42	-0.74
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.78	-1.26	-2.22
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.23	-0.36	-0.64
King County, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.29
Klamath Falls, OR	CO	Maintenance	100	-	-0.45	-0.73	-1.29

Appendix B

**Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.45	-0.73	-1.29
Knoxville, TN	Ozone	Former Subpart 1	50	-	-12.10	-19.52	-34.44
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-9.23	-14.89	-26.27
La Porte County, IN	SO _x	Maintenance	100	-	-0.31	-0.50	-0.88
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.14	-0.23	-0.40
Lake County, IN	SO _x	Maintenance	100	-	-2.73	-4.40	-7.77
Lake County, OH	SO _x	Maintenance	100	-	-0.33	-0.53	-0.94
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.09	-0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.35	-0.56	-0.99
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.76	-1.22	-2.16
Lake Tahoe, NV	CO	Maintenance	100	-	-0.19	-0.31	-0.54
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.23
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-4.36	-7.03	-12.40
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-4.36	-7.03	-12.40
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.52	-7.29	-12.87
LaPorte, IN	Ozone	Maintenance	100	-	-0.86	-1.38	-2.44
Las Vegas, NV	CO	Serious	100	-	-15.95	-25.72	-45.40
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-16.15	-26.04	-45.96
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.79	-1.28	-2.25
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.12	-0.19	-0.33
Lima, OH	Ozone	Maintenance	100	-	-169.21	-181.24	1,243.88
Longmont, CO	CO	Maintenance	100	-	-0.96	-1.55	-2.73
Lorain County, OH	SO _x	Maintenance	100	-	-0.44	-0.70	-1.24

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Table B.1-15
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Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-511.91	-630.07	2,222.50
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-511.91	-630.07	2,222.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-511.91	-630.07	2,222.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-511.91	-630.07	2,222.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-511.90	-630.05	2,222.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-7.01	-11.30	-19.94
Louisville, KY-IN	Ozone	Maintenance	100	-	-10.47	-16.89	-29.81
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-10.04	-16.19	-28.58
Lowell, MA	CO	Maintenance	100	-	-1.13	-1.81	-3.20
Lucas County, OH	SO _x	Maintenance	100	-	-2.66	-4.29	-7.57
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.56	-0.90	-1.58
Macon, GA	Ozone	Maintenance	100	-	-1.84	-2.97	-5.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	-1.82	-2.94	-5.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.04	-0.07
Madison, WI	SO _x	Maintenance	100	-	-2.55	-4.11	-7.26
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.12	-0.19	-0.33
Manchester, NH	CO	Maintenance	100	-	-0.68	-1.10	-1.94
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.93	-1.49	-2.63
Marion County, IN	SO _x	Maintenance	100	-	-2.82	-4.54	-8.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.25	-2.01	-3.55
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.04	-4.90	-8.65
Mason County, MI	Ozone	Maintenance	100	-	-0.25	-0.41	-0.72
Medford, OR	CO	Maintenance	100	-	-0.83	-1.33	-2.35
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.98	-3.19	-5.64
Memphis, TN-AR	Ozone	Maintenance	100	-	-15.21	-21.14	20.43
Memphis, TN	CO	Maintenance	100	-	-14.52	-20.03	22.38
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.31	-0.49	-0.87

Appendix B

Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13
Milwaukee, WI	SO _x	Maintenance	100	-	-4.79	-7.73	-13.64
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-17.11	-27.59	-48.70
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-61.72	-81.32	167.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-27.50	-44.34	-78.23
Missoula, MT	CO	Maintenance	100	-	-0.60	-0.97	-1.71
Missoula, MT	PM ₁₀	Moderate	100	-	-0.58	-0.94	-1.65
Modesto, CA	CO	Maintenance	100	-	-3.34	-5.39	-9.51
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.13	-1.83	-3.23
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.09
Morristown, NJ	CO	Maintenance	100	-	-0.35	-0.56	-0.98
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.26	-0.42	-0.74
Muncie, IN	Ozone	Maintenance	100	-	-0.99	-1.59	-2.81
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.05	-0.07	-0.13
Muscatine County, IA	SO _x	Maintenance	100	-	-0.15	-0.24	-0.42
Muskegon, MI	Ozone	Maintenance	100	-	-1.24	-2.00	-3.53
Nashua, NH	CO	Maintenance	100	-	-0.55	-0.88	-1.56
Nashville, TN	Ozone	Former Subpart 1	50	-	-16.28	-26.24	-46.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.65	-2.67	-4.71
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.43	-2.31	-4.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-7.22	-11.64	-20.54
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.05	-0.08	-0.15
New York County, NY	PM ₁₀	Moderate	100	-	-4.03	-6.50	-11.47
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-102.86	-149.55	14.31
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-177.00	-265.70	-132.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-175.75	-263.68	-128.92
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.40	-0.65	-1.14

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Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-83.70	-97.44	468.60
Ogden, UT	CO	Maintenance	100	-	-0.65	-1.04	-1.84
Ogden, UT	PM ₁₀	Moderate	100	-	-0.65	-1.04	-1.84
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.18	-0.30	-0.52
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.11	-1.79	-3.15
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.04	-0.07	-0.12
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.32	-2.13	-3.76
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.33	-2.15	-3.79
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.20	-0.32	-0.56
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.90	-1.45	-2.56
Perth Amboy, NJ	CO	Maintenance	100	-	-7.10	-8.04	43.97
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.40	-5.49	-9.68
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-295.29	-337.88	1,763.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-315.09	-369.81	1,707.21
Phoenix, AZ	CO	Maintenance	100	-	-54.03	-87.12	-153.74
Phoenix, AZ	PM ₁₀	Serious	70	-	-55.51	-89.51	-157.96
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-55.67	-89.76	-158.41
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.27
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.25	-0.40	-0.71
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-18.50	-29.73	-50.87
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-16.90	-27.16	-46.34
Polk County, TN	SO _x	Maintenance	100	-	-0.19	-0.31	-0.55
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Portland, ME	Ozone	Maintenance	100	-	-5.35	-8.63	-15.22

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Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-11.57	-18.29	-26.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.40	-0.65	-1.15
Poughkeepsie, NY	Ozone	Moderate	50	-	-14.17	-22.84	-40.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.23
Providence (entire State), RI	Ozone	Moderate	50	-	-9.57	-15.43	-27.24
Provo, UT	CO	Maintenance	100	-	-1.69	-2.73	-4.82
Raleigh-Durham, NC	CO	Maintenance	100	-	-13.30	-21.44	-37.83
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-18.07	-29.14	-51.42
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Reading, PA	Ozone	Maintenance	100	-	-3.13	-5.04	-8.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	-3.13	-5.04	-8.90
Reno, NV	CO	Maintenance	100	-	-2.33	-3.76	-6.63
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-11.59	-18.68	-32.98
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.52	-0.85	-1.49
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-7.09	-11.43	-20.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.40	-3.88	-6.84
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.79	-1.27	-2.24
Rochester, NY	Ozone	Former Subpart 1	50	-	-12.59	-20.30	-35.83
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.69	-2.73	-4.82
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.12	-1.80	-3.18
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	-16.19	-26.11	-46.08
Sacramento Metro, CA	Ozone	Severe	25	-	-29.71	-47.90	-84.53
Sacramento, CA	CO	Maintenance	100	-	-18.20	-29.35	-51.80
Salem, OR	CO	Maintenance	100	-	-1.22	-1.96	-3.46
Salt Lake City, UT	CO	Maintenance	100	-	-7.15	-8.77	31.52

Appendix B

Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-15.11	-21.62	8.85
Salt Lake County, UT	SO _x	Nonattainment	100	-	-10.06	-16.22	-28.62
San Antonio, TX	Ozone	Former Subpart 1	50	-	-18.42	-29.70	-52.35
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.35	-7.01	-12.38
San Diego, CA	CO	Maintenance	100	-	-44.02	-70.98	-125.26
San Diego, CA	Ozone	Former Subpart 1	50	-	-44.10	-71.11	-125.50
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,072.07	-1,180.27	7,277.25
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,080.36	-1,193.65	7,253.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	-59.34	-89.93	-60.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-59.49	-90.17	-61.00
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-59.34	-89.93	-60.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.35	-0.57	-1.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-6.30	-10.15	-17.92
Seattle-Tacoma, WA	CO	Maintenance	100	-	-29.81	-48.06	-84.81
Sheboygan, WI	Ozone	Moderate	50	-	-1.16	-1.87	-3.30
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.20	-0.33	-0.57
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.17	-0.28	-0.49
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-4.26	-6.86	-12.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.41	-2.27	-4.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-2.95	-4.75	-8.39
Spokane, WA	CO	Maintenance	100	-	-2.92	-4.70	-8.30
Springfield (western MA), MA	Ozone	Moderate	50	-	-8.40	-13.55	-23.90
Springfield, MA	CO	Maintenance	100	-	-1.40	-2.26	-3.99
St. Louis, MO	CO	Maintenance	100	-	-7.73	-12.47	-22.00
St. Louis, MO-IL	Ozone	Moderate	50	-	-887.21	-962.09	6,298.86
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-887.03	-961.80	6,299.37

Appendix B

Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.71	-2.75	-4.86
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.21	-0.33	-0.59
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.37	-0.60	-1.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-8.21	-9.22	52.31
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-8.21	-9.22	52.31
Stockton, CA	CO	Maintenance	100	-	-5.05	-8.14	-14.37
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-4.69	-7.56	-13.34
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-1.13	-1.83	-3.23
Tioga County, PA	Ozone	Maintenance	100	-	-0.50	-0.81	-1.42
Toledo, OH	Ozone	Maintenance	100	-	-52.52	-58.80	338.06
Toms River, NJ	CO	Maintenance	100	-	-1.04	-1.67	-2.95
Tooele County, UT	SO _x	Nonattainment	100	-	-0.99	-1.59	-2.81
Trenton, NJ	CO	Maintenance	100	-	-0.85	-1.37	-2.42
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Tucson, AZ	CO	Maintenance	100	-	-10.07	-16.24	-28.66
Utah County, UT	PM ₁₀	Moderate	100	-	-4.92	-7.93	-13.99
Vancouver, WA	CO	Maintenance	100	-	-3.27	-5.28	-9.31
Ventura County, CA	Ozone	Serious	50	-	-9.49	-15.02	-21.66
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Vigo County, IN	SO _x	Maintenance	100	-	-1.13	-1.83	-3.23
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.53	-0.85	-1.50
Warren County, NJ	SO _x	Maintenance	100	-	-0.35	-0.56	-0.98
Warren County, PA	SO _x	Nonattainment	100	-	-0.12	-0.20	-0.35
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-1.98	-3.20	-5.64
Washington, DC-MD-VA	CO	Maintenance	100	-	-15.14	-24.41	-43.08

Appendix B

**Table B.1-15
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-54.19	-87.37	-154.20
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-52.99	-85.44	-150.78
Washoe County, NV	PM ₁₀	Serious	70	-	-2.33	-3.76	-6.63
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Wayne County, IN	SO _x	Maintenance	100	-	-0.61	-0.98	-1.74
Wayne County, MI	PM ₁₀	Maintenance	100	-	-17.97	-19.63	125.03
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.22
Weirton, WV	SO _x	Maintenance	100	-	-0.10	-0.17	-0.29
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.28	-2.06	-3.63
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.28	-2.06	-3.63
Winston-Salem, NC	CO	Maintenance	100	-	-3.94	-6.36	-11.22
Worcester, MA	CO	Maintenance	100	-	-2.21	-3.56	-6.29
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.90	-1.45	-2.57
Yakima, WA	CO	Maintenance	100	-	-0.41	-0.66	-1.16
York, PA	Ozone	Maintenance	100	-	-4.37	-7.05	-12.44
York, PA	PM _{2.5}	Nonattainment	100	-	-3.39	-5.46	-9.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-5.59	-9.02	-15.91
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.92	-3.10	-5.48

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year of VOCs or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.15
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.06	-0.09	-0.16
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-16.39	-26.68	-47.28
Albuquerque, NM	CO	Maintenance	100	-	-7.37	-12.00	-21.25
Allegan County, MI	Ozone	Former Subpart 1	50	-	-2.08	-3.38	-5.99
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-7.53	-12.26	-21.71
Altoona, PA	Ozone	Maintenance	100	-	-1.19	-1.89	-2.59
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.96	-4.83	-8.55
Anchorage, AK	CO	Maintenance	100	-	-2.00	-3.25	-5.76
Anthony, NM	PM ₁₀	Moderate	100	-	-0.09	-0.15	-0.26
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.18
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.28
Atlanta, GA	Ozone	Moderate	50	-	-92.79	-151.05	-267.61
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-92.81	-151.09	-267.69
Atlantic City, NJ	CO	Maintenance	100	-	-0.61	-0.99	-1.75
Bakersfield, CA	CO	Maintenance	100	-	-20.22	-24.12	97.92
Baltimore, MD	CO	Maintenance	100	-	-0.12	-0.19	-0.34
Baltimore, MD	Ozone	Moderate	50	-	-39.99	-65.10	-115.33
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-39.99	-65.10	-115.33
Baton Rouge, LA	Ozone	Moderate	50	-	-159.90	-165.32	1,224.93
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,100.32	-2,099.06	17,374.11
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.90	-3.09	-5.47
Benzie County, MI	Ozone	Maintenance	100	-	-0.36	-0.58	-1.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.98	-3.22	-5.70
Billings, MT	CO	Maintenance	100	-	-298.59	-298.57	2,467.15
Birmingham, AL	Ozone	Maintenance	100	-	-12.35	-19.90	-31.92

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-12.39	-19.97	-32.05
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-4.47	-7.27	-12.88
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-4.47	-7.27	-12.88
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.26	-0.42	-0.75
Boston, MA	CO	Maintenance	100	-	-10.51	-17.11	-30.31
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-65.18	-106.10	-187.98
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-8.70	-14.17	-25.10
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.11	-0.18	-0.32
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-13.89	-22.62	-40.07
Burlington, NJ	CO	Maintenance	100	-	-0.06	-0.09	-0.17
Butte, MT	PM ₁₀	Moderate	100	-	-0.21	-0.34	-0.60
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.30	-0.49	-0.86
Canton-Massillon, OH	Ozone	Maintenance	100	-	-17.28	-19.37	105.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-17.28	-19.37	105.59
Case County, MI	Ozone	Maintenance	100	-	-0.52	-0.85	-1.50
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.06	-0.10	-0.18
Charleston, WV	Ozone	Maintenance	100	-	-2.97	-4.84	-8.57
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.97	-4.84	-8.57
Charlotte, NC	CO	Maintenance	100	-	-10.34	-16.83	-29.82
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-22.59	-36.78	-65.16
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-6.59	-10.72	-18.88
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-6.10	-9.93	-17.48
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,455.84	-1,511.73	11,035.47
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,458.99	-1,516.85	11,026.39
Chico, CA	CO	Maintenance	100	-	-1.91	-3.12	-5.52
Chico, CA	Ozone	Former Subpart 1	50	-	-4.01	-6.53	-11.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-25.09	-40.84	-72.36

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-24.28	-39.52	-70.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.13	-0.21	-0.37
Clark County, NV	PM ₁₀	Serious	70	-	-22.96	-37.38	-66.22
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-3.55	-5.78	-10.24
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.16	-3.52	-6.24
Cleveland, OH	CO	Maintenance	100	-	-9.76	-15.89	-28.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-30.64	-49.88	-88.37
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-28.02	-45.61	-80.81
Coachella Valley, CA	PM ₁₀	Serious	70	-	-10.51	-17.10	-30.30
Colbert County, AL	SO _x	Maintenance	100	-	-0.62	-1.00	-1.77
Colorado Springs, CO	CO	Maintenance	100	-	-8.54	-13.91	-24.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.08	-0.13	-0.24
Columbia, SC	Ozone	Former Subpart 1	50	-	-8.32	-13.54	-23.99
Columbus, OH	Ozone	Maintenance	100	-	-23.58	-38.38	-68.00
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-21.96	-35.74	-63.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-9.76	-15.89	-28.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	-8.42	-13.70	-24.28
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-101.10	-164.59	-291.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-9.59	-15.61	-27.66
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-8.42	-13.71	-24.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-194.31	-220.56	1,139.28
Denver-Boulder, CO	CO	Maintenance	100	-	-192.43	-217.51	1,144.68
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-203.06	-234.81	1,114.02
Detroit, MI	CO	Maintenance	100	-	-70.33	-79.78	413.32
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-126.56	-162.82	402.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-125.47	-161.04	405.25

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.50	-0.82	-1.45
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.42	-0.68	-1.20
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.34	-0.56	-0.99
Duluth, MN	CO	Maintenance	100	-	-0.91	-1.48	-2.63
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.13	-0.21	-0.37
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-355.22	-356.01	2,920.59
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-46.97	-50.94	317.66
El Paso, TX	CO	Maintenance	100	-	-0.38	-0.62	-1.11
Erie, PA	Ozone	Maintenance	100	-	-2.64	-4.30	-7.61
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	-3.07	-4.99	-8.85
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.95	-4.80	-8.50
Evansville, IN	Ozone	Maintenance	100	-	-3.10	-5.05	-8.94
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.91	-6.37	-11.29
Fairbanks, AK	CO	Maintenance	100	-	-0.25	-0.41	-0.72
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.71	-6.04	-10.71
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.31
Flint, MI	Ozone	Maintenance	100	-	-6.18	-10.07	-17.83
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-2.60	-4.24	-7.51
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-4.61	-7.50	-13.30
Franklin County, PA	Ozone	Maintenance	100	-	-2.00	-3.26	-5.78
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.66	-2.71	-4.80
Fredericksburg, VA	Ozone	Maintenance	100	-	-6.24	-10.16	-18.01

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.29	-0.47	-0.83
Fresno, CA	CO	Maintenance	100	-	-8.36	-13.60	-24.10
Grand Rapids, MI	Ozone	Maintenance	100	-	-11.04	-17.97	-31.83
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.43	-0.70	-1.23
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.49	-0.80	-1.42
Great Falls, MT	CO	Maintenance	100	-	-0.19	-0.31	-0.55
Greater Connecticut, CT	Ozone	Moderate	50	-	-19.63	-31.96	-56.62
Greeley, CO	CO	Maintenance	100	-	-1.70	-2.77	-4.91
Green Bay, WI	SO _x	Maintenance	100	-	-1.58	-2.57	-4.56
Greene County, IN	Ozone	Maintenance	100	-	-0.61	-0.99	-1.76
Greene County, PA	Ozone	Maintenance	100	-	-0.53	-0.86	-1.53
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-19.91	-32.41	-57.42
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-9.66	-15.73	-27.87
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-10.53	-17.14	-30.36
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.27	-0.45	-0.79
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.46	-2.37	-4.21
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-11.50	-18.73	-33.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-10.60	-17.25	-30.57
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-12.37	-20.13	-35.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.15	-0.24	-0.43
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.59	-0.96	-1.70
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.06	-0.10	-0.18
Hazelwood, PA	SO _x	Maintenance	100	-	-0.50	-0.82	-1.46
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.02	-3.29	-5.82
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.46	-5.63	-9.97
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-685.71	-731.94	4,844.47
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.06	-0.10
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-37.03	-39.10	269.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-35.33	-36.35	273.89
Huron County, MI	Ozone	Maintenance	100	-	-0.33	-0.53	-0.94
Imperial County, CA	Ozone	Moderate	50	-	-3.31	-5.38	-9.53
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.24	-5.27	-9.34
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.39	-0.63	-1.11
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-26.76	-43.56	-77.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-21.30	-34.67	-61.42
Jackson County, IN	Ozone	Maintenance	100	-	-0.95	-1.55	-2.75
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.86	-3.03	-5.37
Jefferson County, NY	Ozone	Moderate	50	-	-1.52	-2.47	-4.37
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.21
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.53	-4.12	-7.29
Johnstown, PA	Ozone	Maintenance	100	-	-0.93	-1.51	-2.67
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.02	-1.66	-2.94
Juneau, AK	PM ₁₀	Moderate	100	-	-0.18	-0.29	-0.51
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-6.08	-9.89	-17.52
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.43	-0.70	-1.24
Kansas City, MO-KS	Ozone	Maintenance	100	-	-22.39	-36.44	-64.55
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.95	-3.17	-5.61
Kent, WA	PM ₁₀	Maintenance	100	-	-0.37	-0.61	-1.08
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.01	-1.64	-2.91
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.29	-0.47	-0.84
King County, WA	PM ₁₀	Maintenance	100	-	-0.14	-0.23	-0.41
Klamath Falls, OR	CO	Maintenance	100	-	-0.58	-0.94	-1.67

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.58	-0.94	-1.67
Knoxville, TN	Ozone	Former Subpart 1	50	-	-16.88	-27.48	-48.69
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-12.73	-20.72	-36.71
La Porte County, IN	SO _x	Maintenance	100	-	-0.38	-0.62	-1.10
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.19	-0.30	-0.53
Lake County, IN	SO _x	Maintenance	100	-	-3.41	-5.55	-9.83
Lake County, OH	SO _x	Maintenance	100	-	-0.42	-0.69	-1.22
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.20
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.53	-0.87	-1.54
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-1.22	-1.98	-3.51
Lake Tahoe, NV	CO	Maintenance	100	-	-0.24	-0.40	-0.71
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.30
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-5.83	-9.49	-16.82
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.83	-9.49	-16.82
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-5.95	-9.69	-17.17
LaPorte, IN	Ozone	Maintenance	100	-	-1.05	-1.72	-3.04
Las Vegas, NV	CO	Serious	100	-	-22.96	-37.38	-66.22
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-23.20	-37.76	-66.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.99	-1.62	-2.86
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Libby, MT	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.13
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.06	-0.10	-0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.13	-0.21	-0.37
Lima, OH	Ozone	Maintenance	100	-	-223.93	-224.28	1,843.70
Longmont, CO	CO	Maintenance	100	-	-1.38	-2.25	-3.99
Lorain County, OH	SO _x	Maintenance	100	-	-0.58	-0.94	-1.67

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-686.01	-817.69	3,330.04
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-686.01	-817.69	3,330.04
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-686.01	-817.69	3,330.04
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-686.01	-817.69	3,330.04
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-686.00	-817.67	3,330.07
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-9.75	-15.87	-28.11
Louisville, KY-IN	Ozone	Maintenance	100	-	-13.53	-22.02	-39.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-12.86	-20.94	-37.10
Lowell, MA	CO	Maintenance	100	-	-1.57	-2.55	-4.51
Lucas County, OH	SO _x	Maintenance	100	-	-3.30	-5.37	-9.51
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.69	-1.12	-1.99
Macon, GA	Ozone	Maintenance	100	-	-2.26	-3.68	-6.52
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.23	-3.63	-6.44
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.05	-0.09
Madison, WI	SO _x	Maintenance	100	-	-3.63	-5.91	-10.47
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.19	-0.31	-0.55
Manchester, NH	CO	Maintenance	100	-	-0.81	-1.31	-2.33
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.18	-1.92	-3.40
Marion County, IN	SO _x	Maintenance	100	-	-3.53	-5.75	-10.18
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.85	-3.00	-5.32
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-4.02	-6.54	-11.58
Mason County, MI	Ozone	Maintenance	100	-	-0.34	-0.55	-0.98
Medford, OR	CO	Maintenance	100	-	-1.19	-1.94	-3.43
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.87	-4.68	-8.28
Memphis, TN-AR	Ozone	Maintenance	100	-	-19.53	-26.61	35.60
Memphis, TN	CO	Maintenance	100	-	-18.71	-25.28	37.96
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.44	-0.71	-1.26

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.05	-0.09	-0.15
Milwaukee, WI	SO _x	Maintenance	100	-	-6.11	-9.95	-17.62
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-22.79	-37.10	-65.73
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-82.60	-106.60	256.37
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-37.25	-60.63	-107.40
Missoula, MT	CO	Maintenance	100	-	-0.81	-1.32	-2.33
Missoula, MT	PM ₁₀	Moderate	100	-	-0.78	-1.27	-2.26
Modesto, CA	CO	Maintenance	100	-	-4.82	-7.85	-13.92
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.67	-2.72	-4.82
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Morristown, NJ	CO	Maintenance	100	-	-0.51	-0.83	-1.48
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.32	-0.52	-0.93
Muncie, IN	Ozone	Maintenance	100	-	-1.17	-1.91	-3.38
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.07	-0.12	-0.21
Muscatine County, IA	SO _x	Maintenance	100	-	-0.20	-0.32	-0.57
Muskegon, MI	Ozone	Maintenance	100	-	-1.64	-2.68	-4.74
Nashua, NH	CO	Maintenance	100	-	-0.66	-1.07	-1.90
Nashville, TN	Ozone	Former Subpart 1	50	-	-22.28	-36.26	-64.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.54	-4.13	-7.33
New Haven County, CT	PM ₁₀	Maintenance	100	-	-2.06	-3.36	-5.95
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-9.22	-15.01	-26.60
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.07	-0.11	-0.20
New York County, NY	PM ₁₀	Moderate	100	-	-4.97	-8.09	-14.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-134.21	-193.53	55.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-233.17	-349.41	-136.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-231.46	-346.63	-132.01
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.54	-0.89	-1.57

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Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-110.56	-122.53	700.94
Ogden, UT	CO	Maintenance	100	-	-0.83	-1.35	-2.40
Ogden, UT	PM ₁₀	Moderate	100	-	-0.83	-1.35	-2.40
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.22	-0.36	-0.63
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.56	-2.54	-4.50
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.07	-0.12	-0.21
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.68	-2.73	-4.84
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.69	-2.75	-4.88
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.27	-0.44	-0.78
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-1.13	-1.84	-3.26
Perth Amboy, NJ	CO	Maintenance	100	-	-9.55	-10.32	65.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.14	-6.74	-11.93
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-389.80	-422.90	2,632.73
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-415.95	-465.47	2,557.30
Phoenix, AZ	CO	Maintenance	100	-	-81.91	-133.35	-236.24
Phoenix, AZ	PM ₁₀	Serious	70	-	-84.00	-136.74	-242.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-84.20	-137.07	-242.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.19	-0.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.40	-0.66	-1.16
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-23.58	-38.24	-65.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-21.55	-34.94	-59.60
Polk County, TN	SO _x	Maintenance	100	-	-0.25	-0.41	-0.72
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.13
Portland, ME	Ozone	Maintenance	100	-	-7.06	-11.49	-20.35

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-15.13	-24.09	-33.86
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.51	-0.84	-1.48
Poughkeepsie, NY	Ozone	Moderate	50	-	-20.05	-32.64	-57.83
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.29
Providence (entire State), RI	Ozone	Moderate	50	-	-12.88	-20.96	-37.13
Provo, UT	CO	Maintenance	100	-	-2.40	-3.90	-6.91
Raleigh-Durham, NC	CO	Maintenance	100	-	-18.56	-30.21	-53.53
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-25.16	-40.96	-72.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Reading, PA	Ozone	Maintenance	100	-	-4.08	-6.64	-11.77
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.08	-6.64	-11.77
Reno, NV	CO	Maintenance	100	-	-3.08	-5.01	-8.88
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-15.23	-24.79	-43.93
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.77	-1.25	-2.21
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-10.51	-17.10	-30.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	-3.07	-5.00	-8.86
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.06	-1.73	-3.07
Rochester, NY	Ozone	Former Subpart 1	50	-	-16.46	-26.80	-47.49
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.16	-3.51	-6.22
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.45	-2.36	-4.18
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	-23.63	-38.47	-68.16
Sacramento Metro, CA	Ozone	Severe	25	-	-43.85	-71.38	-126.47
Sacramento, CA	CO	Maintenance	100	-	-26.60	-43.30	-76.71
Salem, OR	CO	Maintenance	100	-	-1.57	-2.55	-4.52
Salt Lake City, UT	CO	Maintenance	100	-	-9.53	-11.30	47.33

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-20.27	-28.78	16.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	-13.58	-22.11	-39.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	-25.15	-40.94	-72.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.92	-9.64	-17.08
San Diego, CA	CO	Maintenance	100	-	-63.26	-102.97	-182.44
San Diego, CA	Ozone	Former Subpart 1	50	-	-63.38	-103.18	-182.80
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,423.68	-1,478.09	10,795.81
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,434.73	-1,496.08	10,763.93
San Joaquin Valley, CA	Ozone	Extreme	10	-	-84.69	-129.07	-88.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-84.85	-129.32	-88.47
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-84.69	-129.07	-88.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.50	-0.81	-1.44
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-8.23	-13.40	-23.75
Seattle-Tacoma, WA	CO	Maintenance	100	-	-40.89	-66.57	-117.94
Sheboygan, WI	Ozone	Moderate	50	-	-1.56	-2.54	-4.50
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.26	-0.42	-0.75
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.23	-0.38	-0.66
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-5.57	-9.06	-16.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.49	-2.42	-4.29
Spokane County, WA	PM ₁₀	Maintenance	100	-	-4.03	-6.56	-11.61
Spokane, WA	CO	Maintenance	100	-	-3.98	-6.48	-11.48
Springfield (western MA), MA	Ozone	Moderate	50	-	-10.99	-17.89	-31.69
Springfield, MA	CO	Maintenance	100	-	-1.93	-3.14	-5.57
St. Louis, MO	CO	Maintenance	100	-	-9.10	-14.81	-26.24
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,172.88	-1,192.11	9,348.45
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,172.66	-1,191.74	9,349.10

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-2.35	-3.82	-6.77
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.31	-0.50	-0.89
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.45	-0.73	-1.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-10.77	-11.38	78.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-10.77	-11.38	78.13
Stockton, CA	CO	Maintenance	100	-	-7.50	-12.20	-21.62
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-5.97	-9.71	-17.21
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Terre Haute, IN	Ozone	Maintenance	100	-	-1.36	-2.22	-3.93
Tioga County, PA	Ozone	Maintenance	100	-	-0.62	-1.01	-1.79
Toledo, OH	Ozone	Maintenance	100	-	-69.24	-73.09	503.73
Toms River, NJ	CO	Maintenance	100	-	-1.50	-2.44	-4.32
Tooele County, UT	SO _x	Nonattainment	100	-	-1.34	-2.17	-3.85
Trenton, NJ	CO	Maintenance	100	-	-1.14	-1.86	-3.29
Trona, CA	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.14
Tucson, AZ	CO	Maintenance	100	-	-14.01	-22.80	-40.40
Utah County, UT	PM ₁₀	Moderate	100	-	-6.84	-11.13	-19.72
Vancouver, WA	CO	Maintenance	100	-	-4.66	-7.59	-13.45
Ventura County, CA	Ozone	Serious	50	-	-13.64	-21.78	-31.63
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.22
Vigo County, IN	SO _x	Maintenance	100	-	-1.36	-2.22	-3.93
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.69	-1.12	-1.99
Warren County, NJ	SO _x	Maintenance	100	-	-0.46	-0.75	-1.33
Warren County, PA	SO _x	Nonattainment	100	-	-0.15	-0.24	-0.43
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.57	-4.19	-7.43
Washington, DC-MD-VA	CO	Maintenance	100	-	-20.88	-33.99	-60.22

Appendix B

Table B.1-16
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-74.82	-121.79	-215.78
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-73.08	-118.97	-210.78
Washoe County, NV	PM ₁₀	Serious	70	-	-3.08	-5.01	-8.88
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.05	-0.08	-0.14
Wayne County, IN	SO _x	Maintenance	100	-	-0.73	-1.19	-2.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	-28.20	-29.12	216.68
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.22
Weirton, WV	SO _x	Maintenance	100	-	-0.11	-0.17	-0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.52	-2.48	-4.39
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.52	-2.48	-4.39
Winston-Salem, NC	CO	Maintenance	100	-	-5.24	-8.53	-15.12
Worcester, MA	CO	Maintenance	100	-	-3.12	-5.08	-9.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.20	-1.96	-3.47
Yakima, WA	CO	Maintenance	100	-	-0.59	-0.97	-1.71
York, PA	Ozone	Maintenance	100	-	-5.93	-9.65	-17.10
York, PA	PM _{2.5}	Nonattainment	100	-	-4.59	-7.46	-13.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-6.83	-11.13	-19.71
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.72	-4.43	-7.86

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.21
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-19.84	-26.49	-57.98
Albuquerque, NM	CO	Maintenance	100	-	-8.05	-10.74	-23.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.36	-4.49	-9.75
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-6.09	-8.12	-17.98
Altoona, PA	Ozone	Maintenance	100	-	-3.02	-4.04	-8.74
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.69	-0.92	-2.12
Anchorage, AK	CO	Maintenance	100	-	-5.25	-7.02	-15.17
Anthony, NM	PM ₁₀	Moderate	100	-	-0.26	-0.35	-0.76
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.24	-0.32	-0.69
Atlanta, GA	Ozone	Moderate	50	-	-96.22	-128.44	-281.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-96.37	-128.64	-281.95
Atlantic City, NJ	CO	Maintenance	100	-	-0.35	-0.47	-1.05
Bakersfield, CA	CO	Maintenance	100	-	-11.45	-15.31	-33.20
Baltimore, MD	CO	Maintenance	100	-	-0.23	-0.31	-0.68
Baltimore, MD	Ozone	Moderate	50	-	-22.84	-30.40	-68.06
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-22.84	-30.40	-68.06
Baton Rouge, LA	Ozone	Moderate	50	-	-48.79	-65.30	-140.45
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-80.71	-108.08	-231.65
Benton County, TN	SO _x	Maintenance	100	-	-0.09	-0.13	-0.27
Benton Harbor, MI	Ozone	Maintenance	100	-	-6.46	-8.64	-18.67
Benzie County, MI	Ozone	Maintenance	100	-	-0.64	-0.86	-1.86
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-4.33	-5.79	-12.53
Billings, MT	CO	Maintenance	100	-	-21.79	-29.18	-62.51
Birmingham, AL	Ozone	Maintenance	100	-	-14.45	-19.28	-42.30

Appendix B

Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-14.54	-19.40	-42.56
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-12.25	-16.38	-35.37
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-12.25	-16.38	-35.37
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.53	-0.71	-1.53
Boston, MA	CO	Maintenance	100	-	-6.97	-9.27	-20.72
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-32.94	-43.77	-98.87
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.29	-4.36	-9.99
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.27	-1.70	-3.65
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-13.74	-18.32	-40.39
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.09	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-1.83	-2.45	-5.26
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.82	-1.10	-2.36
Canton-Massillon, OH	Ozone	Maintenance	100	-	-9.71	-12.98	-28.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-9.71	-12.98	-28.08
Case County, MI	Ozone	Maintenance	100	-	-1.25	-1.67	-3.61
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.41	-0.55	-1.18
Charleston, WV	Ozone	Maintenance	100	-	-3.22	-4.29	-9.48
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.22	-4.29	-9.48
Charlotte, NC	CO	Maintenance	100	-	-7.18	-9.56	-21.20
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-25.77	-34.40	-75.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-22.74	-30.43	-65.66
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-20.82	-27.86	-60.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-81.15	-108.22	-238.70
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-85.67	-114.26	-251.86
Chico, CA	CO	Maintenance	100	-	-1.60	-2.14	-4.68
Chico, CA	Ozone	Former Subpart 1	50	-	-3.75	-5.00	-10.95
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-25.14	-33.54	-73.78

Appendix B

**Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-23.46	-31.29	-68.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.30	-0.40	-0.88
Clark County, NV	PM ₁₀	Serious	70	-	-14.62	-19.48	-43.16
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-12.54	-16.78	-36.16
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-7.07	-9.46	-20.43
Cleveland, OH	CO	Maintenance	100	-	-13.39	-17.87	-39.22
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-27.40	-36.52	-80.79
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-25.16	-33.54	-74.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.17	-2.86	-6.73
Colbert County, AL	SO _x	Maintenance	100	-	-2.15	-2.88	-6.22
Colorado Springs, CO	CO	Maintenance	100	-	-15.62	-20.88	-45.26
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.23	-0.31	-0.66
Columbia, SC	Ozone	Former Subpart 1	50	-	-25.09	-33.56	-72.47
Columbus, OH	Ozone	Maintenance	100	-	-27.90	-37.26	-81.41
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-23.99	-32.03	-70.09
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-13.39	-17.87	-39.22
Cuyahoga County, OH	SO _x	Maintenance	100	-	-10.91	-14.56	-31.95
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-91.81	-122.51	-269.04
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-12.38	-16.52	-36.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-10.73	-14.32	-31.41
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-25.22	-33.58	-74.83
Denver-Boulder, CO	CO	Maintenance	100	-	-24.65	-32.82	-73.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-43.72	-58.32	-128.38
Detroit, MI	CO	Maintenance	100	-	-27.94	-37.32	-81.51
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-68.79	-91.82	-201.19
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-65.93	-87.99	-192.91

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.19	-0.26	-0.59
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.52	-0.69	-1.51
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.41	-0.54	-1.19
Duluth, MN	CO	Maintenance	100	-	-2.81	-3.76	-8.14
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.31	-0.42	-0.91
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.08
East Chicago, IN	PM ₁₀	Maintenance	100	-	-16.29	-21.81	-46.87
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.04	-0.05	-0.10
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.41	-13.91	-30.24
El Paso, TX	CO	Maintenance	100	-	-0.56	-0.75	-1.64
Erie, PA	Ozone	Maintenance	100	-	-3.16	-4.22	-9.27
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-7.80	-10.43	-22.54
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-7.44	-9.96	-21.52
Evansville, IN	Ozone	Maintenance	100	-	-5.21	-6.96	-15.14
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-8.59	-11.48	-24.89
Fairbanks, AK	CO	Maintenance	100	-	-1.05	-1.40	-3.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.87	-3.82	-8.48
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.30	-0.40	-0.87
Flint, MI	Ozone	Maintenance	100	-	-6.63	-8.85	-19.47
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.13
Fort Collins, CO	CO	Maintenance	100	-	-3.67	-4.91	-10.67
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Fort Wayne, IN	Ozone	Maintenance	100	-	-14.47	-19.36	-41.79
Franklin County, PA	Ozone	Maintenance	100	-	-5.13	-6.86	-14.83
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Frederick County, VA	Ozone	Former Subpart 1	50	-	-8.06	-10.79	-23.23
Fredericksburg, VA	Ozone	Maintenance	100	-	-8.40	-11.22	-24.41

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Table B.1-17
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.11	-0.15	-0.33
Fresno, CA	CO	Maintenance	100	-	-5.05	-6.73	-14.98
Grand Rapids, MI	Ozone	Maintenance	100	-	-14.45	-19.31	-42.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.18	-1.58	-3.43
Grant County, NM	SO _x	Maintenance	100	-	-0.15	-0.19	-0.42
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.02	-0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.12	-1.50	-3.24
Great Falls, MT	CO	Maintenance	100	-	-1.08	-1.45	-3.12
Greater Connecticut, CT	Ozone	Moderate	50	-	-17.55	-23.39	-51.75
Greeley, CO	CO	Maintenance	100	-	-5.19	-6.94	-14.97
Green Bay, WI	SO _x	Maintenance	100	-	-1.96	-2.62	-5.74
Greene County, IN	Ozone	Maintenance	100	-	-3.20	-4.28	-9.21
Greene County, PA	Ozone	Maintenance	100	-	-2.22	-2.97	-6.40
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-24.00	-32.03	-70.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-10.89	-14.53	-31.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-41.16	-55.07	-118.76
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.27	-0.36	-0.79
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.17	-2.90	-6.32
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-9.19	-12.25	-27.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-8.99	-12.00	-26.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-9.76	-12.99	-28.90
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.11	-0.14	-0.32
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.56	-0.74	-1.63
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.05	-0.12
Hazelwood, PA	SO _x	Maintenance	100	-	-0.85	-1.13	-2.47
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.39	-3.19	-7.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-4.24	-5.65	-12.40
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.02	-0.05

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Table B.1-17
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-309.38	-414.01	-891.48
Humphreys County, TN	SO _x	Maintenance	100	-	-0.14	-0.18	-0.39
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-33.74	-45.17	-96.96
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-27.63	-37.00	-79.33
Huron County, MI	Ozone	Maintenance	100	-	-0.84	-1.13	-2.44
Imperial County, CA	Ozone	Moderate	50	-	-2.56	-3.41	-7.51
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.50	-3.33	-7.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.74	-0.99	-2.16
Indianapolis, IN	CO	Maintenance	100	-	-0.03	-0.03	-0.07
Indianapolis, IN	Ozone	Maintenance	100	-	-34.63	-46.25	-100.98
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-26.52	-35.41	-77.37
Jackson County, IN	Ozone	Maintenance	100	-	-5.02	-6.72	-14.46
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.85	-3.81	-8.32
Jefferson County, NY	Ozone	Moderate	50	-	-1.19	-1.59	-3.52
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.48	-0.64	-1.37
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-11.75	-15.73	-33.87
Johnstown, PA	Ozone	Maintenance	100	-	-2.51	-3.36	-7.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-3.30	-4.41	-9.56
Juneau, AK	PM ₁₀	Moderate	100	-	-0.80	-1.07	-2.30
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-11.63	-15.55	-33.78
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.24	-1.65	-3.57
Kansas City, MO-KS	Ozone	Maintenance	100	-	-49.33	-65.97	-142.82
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.32	-0.42	-1.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.45	-0.60	-1.31
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.81	-2.43	-5.27
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.34	-0.45	-0.99
King County, WA	PM ₁₀	Maintenance	100	-	-0.19	-0.25	-0.54
Klamath Falls, OR	CO	Maintenance	100	-	-2.03	-2.72	-5.86

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Table B.1-17
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-2.03	-2.72	-5.86
Knoxville, TN	Ozone	Former Subpart 1	50	-	-45.01	-60.21	-130.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-37.09	-49.61	-107.08
La Porte County, IN	SO _x	Maintenance	100	-	-1.45	-1.93	-4.17
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.75	-1.01	-2.17
Lake County, IN	SO _x	Maintenance	100	-	-8.29	-11.08	-24.02
Lake County, OH	SO _x	Maintenance	100	-	-0.25	-0.33	-0.75
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.27	-0.36	-0.78
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.15	-0.34
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.27	-0.35	-0.81
Lake Tahoe, NV	CO	Maintenance	100	-	-0.22	-0.30	-0.65
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.88	-1.17	-2.52
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-3.04	-4.04	-9.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.04	-4.04	-9.10
Lane County, OR	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.15
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.02	-5.35	-11.93
LaPorte, IN	Ozone	Maintenance	100	-	-4.05	-5.42	-11.70
Las Vegas, NV	CO	Serious	100	-	-14.62	-19.48	-43.16
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-14.85	-19.79	-43.83
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.69	-0.91	-2.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.07	-0.09	-0.20
Libby, MT	PM ₁₀	Moderate	100	-	-0.11	-0.15	-0.32
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.15	-0.19	-0.42
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.30	-0.40	-0.88
Lima, OH	Ozone	Maintenance	100	-	-9.14	-12.24	-26.29
Longmont, CO	CO	Maintenance	100	-	-0.41	-0.54	-1.24
Lorain County, OH	SO _x	Maintenance	100	-	-0.43	-0.57	-1.27

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-154.78	-206.30	-456.71
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-154.78	-206.30	-456.71
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-154.78	-206.30	-456.71
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-154.78	-206.30	-456.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-154.77	-206.29	-456.69
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-5.37	-7.15	-15.98
Louisville, KY-IN	Ozone	Maintenance	100	-	-15.64	-20.88	-45.83
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-15.75	-21.02	-46.11
Lowell, MA	CO	Maintenance	100	-	-0.77	-1.02	-2.31
Lucas County, OH	SO _x	Maintenance	100	-	-4.06	-5.42	-11.91
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.59	-0.78	-1.74
Macon, GA	Ozone	Maintenance	100	-	-9.05	-12.10	-26.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-8.98	-12.01	-25.91
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.07	-0.09	-0.20
Madison, WI	SO _x	Maintenance	100	-	-3.25	-4.34	-9.52
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.19	-0.25	-0.55
Manchester, NH	CO	Maintenance	100	-	-0.24	-0.32	-0.76
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.63	-0.84	-1.90
Marion County, IN	SO _x	Maintenance	100	-	-7.84	-10.48	-22.74
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.96	-1.28	-2.84
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-10.19	-13.63	-29.48
Mason County, MI	Ozone	Maintenance	100	-	-0.64	-0.86	-1.86
Medford, OR	CO	Maintenance	100	-	-0.47	-0.62	-1.40
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.11	-1.48	-3.34
Memphis, TN-AR	Ozone	Maintenance	100	-	-23.79	-31.80	-69.07
Memphis, TN	CO	Maintenance	100	-	-15.65	-20.90	-45.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.47	-0.63	-1.38

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.11	-0.15	-0.32
Milwaukee, WI	SO _x	Maintenance	100	-	-7.09	-9.45	-20.78
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-21.10	-28.14	-62.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-77.64	-103.80	-225.01
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-57.67	-77.06	-167.71
Missoula, MT	CO	Maintenance	100	-	-4.52	-6.05	-13.01
Missoula, MT	PM ₁₀	Moderate	100	-	-4.38	-5.86	-12.61
Modesto, CA	CO	Maintenance	100	-	-4.75	-6.35	-13.88
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.46	-1.95	-4.28
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.15
Morristown, NJ	CO	Maintenance	100	-	-0.22	-0.29	-0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.01	-1.35	-2.93
Muncie, IN	Ozone	Maintenance	100	-	-7.22	-9.67	-20.80
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.13	-0.17	-0.37
Muscatine County, IA	SO _x	Maintenance	100	-	-0.50	-0.67	-1.46
Muskegon, MI	Ozone	Maintenance	100	-	-3.83	-5.12	-11.08
Nashua, NH	CO	Maintenance	100	-	-0.19	-0.25	-0.60
Nashville, TN	Ozone	Former Subpart 1	50	-	-22.11	-29.51	-64.78
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.34	-1.79	-3.97
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.61	-4.82	-10.46
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-20.06	-26.81	-58.18
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.28	-0.37	-0.81
New York County, NY	PM ₁₀	Moderate	100	-	-37.85	-50.66	-108.87
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-162.18	-216.69	-471.67
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-239.98	-320.42	-700.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-234.25	-312.75	-684.23
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.59	-0.78	-1.71

Appendix B

Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-33.11	-44.25	-96.28
Ogden, UT	CO	Maintenance	100	-	-0.61	-0.81	-1.81
Ogden, UT	PM ₁₀	Moderate	100	-	-0.61	-0.81	-1.81
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.47	-0.63	-1.37
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.46	-1.94	-4.26
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.06	-0.08	-0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-4.80	-6.42	-13.89
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-5.10	-6.81	-14.73
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.32	-0.42	-0.92
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.73	-0.96	-2.17
Perth Amboy, NJ	CO	Maintenance	100	-	-1.51	-2.01	-4.39
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.42	-5.89	-13.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-107.98	-144.32	-313.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-127.43	-170.23	-370.91
Phoenix, AZ	CO	Maintenance	100	-	-28.12	-37.36	-84.42
Phoenix, AZ	PM ₁₀	Serious	70	-	-29.23	-38.85	-87.73
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-29.34	-38.99	-88.05
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.62	-0.83	-1.78
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.12
Pittsburgh, PA	CO	Maintenance	100	-	-0.47	-0.63	-1.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-39.66	-52.98	-115.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-33.58	-44.85	-97.86
Polk County, TN	SO _x	Maintenance	100	-	-0.84	-1.13	-2.43
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.14
Portland, ME	Ozone	Maintenance	100	-	-8.18	-10.92	-23.95

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Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-13.63	-18.18	-40.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.77	-2.37	-5.12
Poughkeepsie, NY	Ozone	Moderate	50	-	-11.88	-15.82	-35.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.30	-0.40	-0.86
Providence (entire State), RI	Ozone	Moderate	50	-	-18.46	-24.66	-53.75
Provo, UT	CO	Maintenance	100	-	-1.99	-2.66	-5.85
Raleigh-Durham, NC	CO	Maintenance	100	-	-9.88	-13.15	-29.44
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-15.20	-20.24	-45.08
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.15
Reading, PA	Ozone	Maintenance	100	-	-4.79	-6.40	-14.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.79	-6.40	-14.02
Reno, NV	CO	Maintenance	100	-	-3.24	-4.33	-9.51
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-15.74	-21.00	-46.19
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.65	-0.86	-1.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.17	-2.86	-6.73
Roanoke, VA	Ozone	Former Subpart 1	50	-	-7.38	-9.86	-21.37
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.74	-2.32	-5.05
Rochester, NY	Ozone	Former Subpart 1	50	-	-15.40	-20.53	-45.30
Rocky Mount, NC	Ozone	Maintenance	100	-	-4.10	-5.48	-11.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	-4.45	-5.95	-12.85
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.09	-0.12	-0.25
Sacramento County, CA	PM ₁₀	Moderate	100	-	-10.74	-14.29	-32.03
Sacramento Metro, CA	Ozone	Severe	25	-	-25.75	-34.31	-76.01
Sacramento, CA	CO	Maintenance	100	-	-12.02	-15.99	-35.82
Salem, OR	CO	Maintenance	100	-	-1.32	-1.76	-3.90
Salt Lake City, UT	CO	Maintenance	100	-	-2.80	-3.74	-8.21

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Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.54	-12.71	-28.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	-8.49	-11.30	-25.21
San Antonio, TX	Ozone	Former Subpart 1	50	-	-60.10	-80.38	-173.84
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.67	-3.55	-8.03
San Diego, CA	CO	Maintenance	100	-	-22.76	-30.21	-68.73
San Diego, CA	Ozone	Former Subpart 1	50	-	-22.80	-30.27	-68.85
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-109.26	-145.92	-318.59
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-113.62	-151.70	-331.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	-63.81	-85.18	-186.69
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-64.25	-85.77	-187.97
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-63.81	-85.18	-186.69
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.29	-0.39	-0.87
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.11
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-11.09	-14.81	-32.37
Seattle-Tacoma, WA	CO	Maintenance	100	-	-50.34	-67.23	-146.84
Sheboygan, WI	Ozone	Moderate	50	-	-1.69	-2.25	-4.94
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.42	-1.91	-4.10
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.10	-0.14	-0.31
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-7.80	-10.42	-22.76
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.69	-2.26	-5.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-6.55	-8.75	-19.02
Spokane, WA	CO	Maintenance	100	-	-6.48	-8.66	-18.83
Springfield (western MA), MA	Ozone	Moderate	50	-	-6.32	-8.41	-18.91
Springfield, MA	CO	Maintenance	100	-	-1.13	-1.50	-3.35
St. Louis, MO	CO	Maintenance	100	-	-36.77	-49.19	-106.21
St. Louis, MO-IL	Ozone	Moderate	50	-	-92.99	-124.35	-269.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-92.82	-124.12	-268.61

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Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.91	-1.21	-2.76
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.40	-0.54	-1.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.60	-3.48	-7.49
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.60	-8.83	-18.99
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.60	-8.83	-18.99
Stockton, CA	CO	Maintenance	100	-	-5.48	-7.32	-16.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-14.32	-19.14	-41.49
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-5.95	-7.96	-17.17
Tioga County, PA	Ozone	Maintenance	100	-	-0.56	-0.74	-1.65
Toledo, OH	Ozone	Maintenance	100	-	-17.80	-23.81	-51.51
Toms River, NJ	CO	Maintenance	100	-	-0.61	-0.81	-1.84
Tooele County, UT	SO _x	Nonattainment	100	-	-3.11	-4.16	-9.00
Trenton, NJ	CO	Maintenance	100	-	-0.72	-0.95	-2.13
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Tucson, AZ	CO	Maintenance	100	-	-13.48	-18.00	-39.50
Utah County, UT	PM ₁₀	Moderate	100	-	-5.99	-8.00	-17.59
Vancouver, WA	CO	Maintenance	100	-	-3.44	-4.58	-10.11
Ventura County, CA	Ozone	Serious	50	-	-5.45	-7.25	-16.34
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.58	-0.78	-1.67
Vigo County, IN	SO _x	Maintenance	100	-	-5.95	-7.96	-17.17
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.39	-0.52	-1.17
Warren County, NJ	SO _x	Maintenance	100	-	-0.26	-0.35	-0.78
Warren County, PA	SO _x	Nonattainment	100	-	-0.18	-0.24	-0.54
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-7.12	-9.53	-20.60
Washington, DC-MD-VA	CO	Maintenance	100	-	-9.93	-13.20	-29.84

Appendix B

Table B.1-17
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-39.97	-53.18	-119.20
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-37.48	-49.85	-111.96
Washoe County, NV	PM ₁₀	Serious	70	-	-3.24	-4.33	-9.51
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.21	-0.28	-0.61
Wayne County, IN	SO _x	Maintenance	100	-	-2.58	-3.45	-7.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.06	-6.77	-14.55
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.44	-0.59	-1.28
Weirton, WV	SO _x	Maintenance	100	-	-0.59	-0.78	-1.69
Wheeling, WV-OH	Ozone	Maintenance	100	-	-6.44	-8.61	-18.58
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-6.44	-8.61	-18.58
Winston-Salem, NC	CO	Maintenance	100	-	-6.47	-8.64	-18.90
Worcester, MA	CO	Maintenance	100	-	-1.24	-1.64	-3.74
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.85	-3.81	-8.24
Yakima, WA	CO	Maintenance	100	-	-1.14	-1.52	-3.29
York, PA	Ozone	Maintenance	100	-	-6.85	-9.14	-20.01
York, PA	PM _{2.5}	Nonattainment	100	-	-4.47	-5.97	-13.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-8.86	-11.83	-25.97
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.13	-4.18	-9.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.16	-0.24	-0.51
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.12	-0.18	-0.42
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.13	-0.19	-0.44
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-43.85	-65.43	-147.15
Albuquerque, NM	CO	Maintenance	100	-	-17.77	-26.52	-60.61
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.44	-11.10	-24.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-13.39	-19.99	-47.71
Altoona, PA	Ozone	Maintenance	100	-	-6.71	-10.01	-21.24
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.46	-2.18	-6.58
Anchorage, AK	CO	Maintenance	100	-	-11.58	-17.26	-36.18
Anthony, NM	PM ₁₀	Moderate	100	-	-0.58	-0.86	-1.81
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.19
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.53	-0.79	-1.67
Atlanta, GA	Ozone	Moderate	50	-	-212.20	-316.67	-719.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-212.51	-317.13	-720.15
Atlantic City, NJ	CO	Maintenance	100	-	-0.76	-1.14	-2.96
Bakersfield, CA	CO	Maintenance	100	-	-25.02	-37.31	-80.02
Baltimore, MD	CO	Maintenance	100	-	-0.53	-0.79	-1.71
Baltimore, MD	Ozone	Moderate	50	-	-49.83	-74.45	-188.32
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-49.83	-74.45	-188.32
Baton Rouge, LA	Ozone	Moderate	50	-	-108.77	-162.16	-331.35
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-180.25	-268.67	-538.31
Benton County, TN	SO _x	Maintenance	100	-	-0.21	-0.31	-0.63
Benton Harbor, MI	Ozone	Maintenance	100	-	-14.38	-21.44	-44.97
Benzie County, MI	Ozone	Maintenance	100	-	-1.42	-2.12	-4.52
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-9.61	-14.34	-30.43
Billings, MT	CO	Maintenance	100	-	-48.71	-72.60	-144.98
Birmingham, AL	Ozone	Maintenance	100	-	-31.92	-47.64	-108.28

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-32.13	-47.94	-108.92
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-27.23	-40.61	-84.97
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-27.23	-40.61	-84.97
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.19	-1.78	-3.76
Boston, MA	CO	Maintenance	100	-	-15.32	-22.89	-56.99
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-71.64	-107.08	-281.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-7.07	-10.58	-29.82
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.88	-4.29	-8.63
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-30.29	-45.21	-105.35
Burlington, NJ	CO	Maintenance	100	-	-0.14	-0.20	-0.52
Butte, MT	PM ₁₀	Moderate	100	-	-4.08	-6.09	-12.36
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.84	-2.75	-5.71
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.59	-32.20	-67.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.59	-32.20	-67.87
Case County, MI	Ozone	Maintenance	100	-	-2.77	-4.14	-8.80
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.11	-0.22
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.91	-1.36	-2.78
Charleston, WV	Ozone	Maintenance	100	-	-7.11	-10.61	-24.81
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-7.11	-10.61	-24.81
Charlotte, NC	CO	Maintenance	100	-	-15.72	-23.48	-56.58
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-56.90	-84.90	-190.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-50.64	-75.51	-157.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-46.36	-69.12	-143.85
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-178.52	-266.49	-624.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-188.51	-281.40	-657.44
Chico, CA	CO	Maintenance	100	-	-3.58	-5.34	-12.08
Chico, CA	Ozone	Former Subpart 1	50	-	-8.25	-12.31	-27.83
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-55.43	-82.74	-190.90

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-51.69	-77.15	-179.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.66	-0.98	-2.14
Clark County, NV	PM ₁₀	Serious	70	-	-32.00	-47.78	-115.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-27.92	-41.63	-86.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-15.74	-23.47	-49.01
Cleveland, OH	CO	Maintenance	100	-	-29.64	-44.23	-100.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-60.31	-90.04	-213.57
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-55.39	-82.70	-196.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	-4.52	-6.77	-22.14
Colbert County, AL	SO _x	Maintenance	100	-	-4.79	-7.14	-14.98
Colorado Springs, CO	CO	Maintenance	100	-	-34.67	-51.70	-110.59
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.51	-0.77	-1.59
Columbia, SC	Ozone	Former Subpart 1	50	-	-55.81	-83.22	-173.92
Columbus, OH	Ozone	Maintenance	100	-	-61.64	-91.97	-205.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-52.94	-79.00	-177.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.09	-0.14	-0.33
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-29.64	-44.23	-100.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	-24.24	-36.17	-82.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-202.04	-301.55	-692.96
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-27.37	-40.85	-92.37
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-23.74	-35.42	-80.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-55.05	-82.23	-203.70
Denver-Boulder, CO	CO	Maintenance	100	-	-53.83	-80.39	-198.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-96.15	-143.51	-333.59
Detroit, MI	CO	Maintenance	100	-	-61.38	-91.57	-203.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-151.98	-226.80	-512.72
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-145.62	-217.31	-492.74

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Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.42	-0.62	-1.74
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.11	-1.66	-3.77
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.88	-1.31	-2.99
Duluth, MN	CO	Maintenance	100	-	-6.29	-9.38	-19.71
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.70	-1.04	-2.18
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.10	-0.20
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.34	-54.17	-110.23
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.12	-0.25
El Paso County, TX	PM ₁₀	Moderate	100	-	-22.91	-34.17	-74.38
El Paso, TX	CO	Maintenance	100	-	-1.22	-1.82	-4.03
Erie, PA	Ozone	Maintenance	100	-	-6.99	-10.44	-23.79
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.09
Eugene-Springfield, OR	CO	Maintenance	100	-	-17.45	-26.01	-54.73
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-16.67	-24.86	-52.30
Evansville, IN	Ozone	Maintenance	100	-	-11.54	-17.22	-37.59
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-19.03	-28.39	-60.73
Fairbanks, AK	CO	Maintenance	100	-	-2.32	-3.46	-7.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-6.30	-9.40	-22.65
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.67	-1.00	-2.08
Flint, MI	Ozone	Maintenance	100	-	-14.64	-21.86	-50.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.32
Fort Collins, CO	CO	Maintenance	100	-	-8.11	-12.10	-26.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.20
Fort Wayne, IN	Ozone	Maintenance	100	-	-32.20	-48.02	-100.20
Franklin County, PA	Ozone	Maintenance	100	-	-11.40	-17.00	-35.79
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.10	-0.20
Frederick County, VA	Ozone	Former Subpart 1	50	-	-17.97	-26.80	-54.93
Fredericksburg, VA	Ozone	Maintenance	100	-	-18.57	-27.70	-60.59

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Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.25	-0.37	-0.96
Fresno, CA	CO	Maintenance	100	-	-10.86	-16.23	-40.21
Grand Rapids, MI	Ozone	Maintenance	100	-	-31.97	-47.69	-105.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.60	-3.87	-8.23
Grant County, NM	SO _x	Maintenance	100	-	-0.32	-0.48	-0.98
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.05	-0.11
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.51	-3.75	-7.88
Great Falls, MT	CO	Maintenance	100	-	-2.40	-3.57	-7.35
Greater Connecticut, CT	Ozone	Moderate	50	-	-38.63	-57.68	-136.73
Greeley, CO	CO	Maintenance	100	-	-11.59	-17.28	-35.94
Green Bay, WI	SO _x	Maintenance	100	-	-4.30	-6.41	-14.39
Greene County, IN	Ozone	Maintenance	100	-	-7.13	-10.63	-21.75
Greene County, PA	Ozone	Maintenance	100	-	-4.94	-7.37	-15.23
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-53.04	-79.15	-179.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-24.05	-35.90	-82.10
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-91.68	-136.70	-283.33
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.60	-0.89	-2.07
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.80	-7.16	-15.77
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-20.18	-30.13	-71.40
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-19.78	-29.53	-69.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-21.42	-31.99	-77.91
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.24	-0.35	-0.84
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.24	-1.85	-4.19
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.09	-0.13	-0.32
Hazelwood, PA	SO _x	Maintenance	100	-	-1.91	-2.84	-6.18
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-5.29	-7.89	-18.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-9.37	-13.99	-31.72
Hollis Township, IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.15

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Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-689.16	-1,027.46	-2,114.45
Humphreys County, TN	SO _x	Maintenance	100	-	-0.31	-0.46	-0.94
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-75.30	-112.25	-226.76
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-61.71	-91.98	-184.66
Huron County, MI	Ozone	Maintenance	100	-	-1.87	-2.79	-5.92
Imperial County, CA	Ozone	Moderate	50	-	-5.61	-8.37	-19.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.48	-8.18	-19.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.56	-2.32	-5.06
Indianapolis, IN	CO	Maintenance	100	-	-0.06	-0.08	-0.18
Indianapolis, IN	Ozone	Maintenance	100	-	-76.58	-114.25	-253.86
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-58.61	-87.45	-195.05
Jackson County, IN	Ozone	Maintenance	100	-	-11.19	-16.69	-34.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.32	-9.43	-20.82
Jefferson County, NY	Ozone	Moderate	50	-	-2.61	-3.90	-9.42
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.05	-1.57	-3.21
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-26.19	-39.05	-80.39
Johnstown, PA	Ozone	Maintenance	100	-	-5.59	-8.34	-17.92
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-7.32	-10.92	-23.16
Juneau, AK	PM ₁₀	Moderate	100	-	-1.80	-2.69	-5.48
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-25.82	-38.51	-83.23
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.75	-4.10	-8.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	-109.58	-163.41	-346.78
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.66	-0.99	-3.91
Kent, WA	PM ₁₀	Maintenance	100	-	-1.02	-1.52	-3.35
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.84	-5.73	-12.49
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.75	-1.11	-2.54
King County, WA	PM ₁₀	Maintenance	100	-	-0.42	-0.62	-1.37
Klamath Falls, OR	CO	Maintenance	100	-	-4.52	-6.75	-14.05

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Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.52	-6.75	-14.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	-100.08	-149.23	-312.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-82.50	-123.01	-256.49
La Porte County, IN	SO _x	Maintenance	100	-	-3.22	-4.81	-10.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.70	-2.54	-5.24
Lake County, IN	SO _x	Maintenance	100	-	-18.33	-27.33	-58.34
Lake County, OH	SO _x	Maintenance	100	-	-0.55	-0.82	-2.11
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.60	-0.90	-1.87
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.23	-0.35	-1.10
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.57	-0.85	-2.53
Lake Tahoe, NV	CO	Maintenance	100	-	-0.48	-0.72	-1.70
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.96	-2.92	-5.92
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Lancaster, PA	Ozone	Maintenance	100	-	-6.61	-9.88	-25.73
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-6.61	-9.88	-25.73
Lane County, OR	PM ₁₀	Moderate	100	-	-0.11	-0.16	-0.34
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-8.80	-13.14	-32.54
LaPorte, IN	Ozone	Maintenance	100	-	-9.02	-13.46	-28.01
Las Vegas, NV	CO	Serious	100	-	-32.00	-47.78	-115.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-32.47	-48.49	-116.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.51	-2.25	-5.66
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.15	-0.22	-0.47
Libby, MT	PM ₁₀	Moderate	100	-	-0.24	-0.36	-0.78
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.32	-0.48	-1.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.66	-0.98	-2.14
Lima, OH	Ozone	Maintenance	100	-	-20.39	-30.40	-61.77
Longmont, CO	CO	Maintenance	100	-	-0.88	-1.31	-3.85
Lorain County, OH	SO _x	Maintenance	100	-	-0.95	-1.41	-3.42

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Table B.1-18
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-339.37	-506.73	-1,212.62
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-339.37	-506.73	-1,212.62
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-339.37	-506.73	-1,212.62
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-339.38	-506.73	-1,212.64
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-339.36	-506.70	-1,212.56
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-11.72	-17.51	-44.14
Louisville, KY-IN	Ozone	Maintenance	100	-	-34.56	-51.57	-117.61
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-34.81	-51.94	-117.85
Lowell, MA	CO	Maintenance	100	-	-1.72	-2.57	-6.63
Lucas County, OH	SO _x	Maintenance	100	-	-8.98	-13.40	-30.63
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.29	-1.92	-4.65
Macon, GA	Ozone	Maintenance	100	-	-20.16	-30.06	-62.46
Macon, GA	PM _{2.5}	Nonattainment	100	-	-20.00	-29.82	-61.96
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.15	-0.23	-0.49
Madison, WI	SO _x	Maintenance	100	-	-7.20	-10.74	-24.64
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.42	-0.63	-1.37
Manchester, NH	CO	Maintenance	100	-	-0.50	-0.74	-2.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.38	-2.06	-5.46
Marion County, IN	SO _x	Maintenance	100	-	-17.39	-25.94	-55.70
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.09	-3.12	-7.71
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-22.65	-33.78	-71.34
Mason County, MI	Ozone	Maintenance	100	-	-1.42	-2.12	-4.57
Medford, OR	CO	Maintenance	100	-	-1.01	-1.51	-4.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.41	-3.60	-9.68
Memphis, TN-AR	Ozone	Maintenance	100	-	-52.83	-78.81	-169.86
Memphis, TN	CO	Maintenance	100	-	-34.66	-51.72	-115.04
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.05	-1.56	-3.50

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**Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.24	-0.36	-0.78
Milwaukee, WI	SO _x	Maintenance	100	-	-15.81	-23.59	-53.97
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-46.46	-69.36	-161.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-172.38	-257.09	-549.12
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-127.76	-190.58	-416.09
Missoula, MT	CO	Maintenance	100	-	-10.05	-14.98	-30.56
Missoula, MT	PM ₁₀	Moderate	100	-	-9.74	-14.52	-29.60
Modesto, CA	CO	Maintenance	100	-	-10.43	-15.57	-35.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.24	-4.84	-11.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.21
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.12	-0.17	-0.39
Morristown, NJ	CO	Maintenance	100	-	-0.49	-0.74	-1.90
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.25	-3.36	-7.06
Muncie, IN	Ozone	Maintenance	100	-	-16.11	-24.01	-49.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.29	-0.43	-0.92
Muscatine County, IA	SO _x	Maintenance	100	-	-1.13	-1.69	-3.56
Muskegon, MI	Ozone	Maintenance	100	-	-8.50	-12.68	-26.91
Nashua, NH	CO	Maintenance	100	-	-0.40	-0.59	-2.01
Nashville, TN	Ozone	Former Subpart 1	50	-	-48.73	-72.73	-166.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.92	-4.36	-10.57
New Haven County, CT	PM ₁₀	Maintenance	100	-	-8.30	-12.38	-26.44
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-44.54	-66.43	-142.43
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.63	-0.94	-1.94
New York County, NY	PM ₁₀	Moderate	100	-	-84.43	-125.86	-255.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-359.71	-536.59	-1,170.56
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-530.75	-791.92	-1,772.53
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-517.99	-772.91	-1,733.10
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.29	-1.92	-4.36

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-73.44	-109.55	-238.64
Ogden, UT	CO	Maintenance	100	-	-1.34	-2.00	-4.92
Ogden, UT	PM ₁₀	Moderate	100	-	-1.34	-2.00	-4.92
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.23
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.00	-1.49	-3.25
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-3.19	-4.76	-10.91
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.14	-0.20	-0.46
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.69	-15.94	-33.58
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-11.34	-16.92	-35.53
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.69	-1.04	-2.32
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.59	-2.38	-6.08
Perth Amboy, NJ	CO	Maintenance	100	-	-3.44	-5.14	-11.26
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-9.75	-14.55	-34.15
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-239.71	-357.53	-769.40
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-282.39	-421.27	-924.09
Phoenix, AZ	CO	Maintenance	100	-	-60.27	-90.11	-242.77
Phoenix, AZ	PM ₁₀	Serious	70	-	-62.67	-93.70	-251.84
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-62.89	-94.02	-252.70
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.37	-2.04	-4.19
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.09	-0.14	-0.29
Pittsburgh, PA	CO	Maintenance	100	-	-1.10	-1.64	-3.57
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-87.94	-131.18	-287.39
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-74.43	-111.04	-245.08
Polk County, TN	SO _x	Maintenance	100	-	-1.87	-2.79	-5.83
Polson, MT	PM ₁₀	Moderate	100	-	-0.11	-0.16	-0.37
Portland, ME	Ozone	Maintenance	100	-	-18.06	-26.95	-61.08

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Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-30.04	-44.84	-104.68
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.94	-5.87	-12.24
Poughkeepsie, NY	Ozone	Moderate	50	-	-25.92	-38.72	-95.35
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.67	-1.00	-2.11
Providence (entire State), RI	Ozone	Moderate	50	-	-40.86	-60.96	-134.28
Provo, UT	CO	Maintenance	100	-	-4.43	-6.61	-15.33
Raleigh-Durham, NC	CO	Maintenance	100	-	-21.52	-32.15	-81.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-33.18	-49.56	-122.48
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.12	-0.17	-0.37
Reading, PA	Ozone	Maintenance	100	-	-10.59	-15.80	-35.86
Reading, PA	PM _{2.5}	Nonattainment	100	-	-10.59	-15.80	-35.86
Reno, NV	CO	Maintenance	100	-	-7.13	-10.64	-24.42
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.09	-0.20
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-34.73	-51.83	-119.44
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.46	-2.18	-4.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-4.52	-6.77	-22.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	-16.40	-24.45	-52.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.82	-5.69	-12.38
Rochester, NY	Ozone	Former Subpart 1	50	-	-33.91	-50.62	-118.58
Rocky Mount, NC	Ozone	Maintenance	100	-	-9.10	-13.57	-29.43
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.90	-14.76	-30.91
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.14
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.19	-0.29	-0.60
Sacramento County, CA	PM ₁₀	Moderate	100	-	-23.26	-34.75	-89.26
Sacramento Metro, CA	Ozone	Severe	25	-	-56.12	-83.81	-202.78
Sacramento, CA	CO	Maintenance	100	-	-25.94	-38.76	-99.56
Salem, OR	CO	Maintenance	100	-	-2.88	-4.30	-10.31
Salt Lake City, UT	CO	Maintenance	100	-	-6.19	-9.23	-21.20

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-20.91	-31.23	-75.92
Salt Lake County, UT	SO _x	Nonattainment	100	-	-18.55	-27.71	-68.95
San Antonio, TX	Ozone	Former Subpart 1	50	-	-133.56	-199.16	-420.28
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.66	-8.46	-22.63
San Diego, CA	CO	Maintenance	100	-	-48.88	-73.11	-201.47
San Diego, CA	Ozone	Former Subpart 1	50	-	-48.97	-73.24	-201.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-241.40	-360.18	-801.40
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-250.80	-374.23	-840.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	-140.68	-209.94	-478.24
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-141.56	-211.26	-481.11
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-140.68	-209.94	-478.24
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.65	-0.97	-2.38
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.27
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-24.53	-36.61	-81.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	-111.10	-165.76	-369.38
Sheboygan, WI	Ozone	Moderate	50	-	-3.72	-5.55	-12.63
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.14	-4.68	-9.57
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.22	-0.34	-0.90
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-17.27	-25.77	-57.25
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.62	-5.40	-13.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	-14.46	-21.57	-46.81
Spokane, WA	CO	Maintenance	100	-	-14.31	-21.34	-46.33
Springfield (western MA), MA	Ozone	Moderate	50	-	-13.80	-20.63	-53.03
Springfield, MA	CO	Maintenance	100	-	-2.52	-3.76	-9.41
St. Louis, MO	CO	Maintenance	100	-	-82.02	-122.29	-255.00
St. Louis, MO-IL	Ozone	Moderate	50	-	-206.82	-308.43	-651.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-206.43	-307.85	-650.50

Appendix B

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.97	-2.94	-8.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.91	-1.35	-2.93
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.79	-8.64	-17.71
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-14.71	-21.93	-44.81
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-14.71	-21.93	-44.81
Stockton, CA	CO	Maintenance	100	-	-12.12	-18.09	-42.19
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-31.82	-47.46	-101.10
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.13
Terre Haute, IN	Ozone	Maintenance	100	-	-13.26	-19.77	-41.00
Tioga County, PA	Ozone	Maintenance	100	-	-1.23	-1.83	-4.40
Toledo, OH	Ozone	Maintenance	100	-	-39.60	-59.05	-124.58
Toms River, NJ	CO	Maintenance	100	-	-1.35	-2.01	-5.34
Tooele County, UT	SO _x	Nonattainment	100	-	-6.91	-10.30	-21.81
Trenton, NJ	CO	Maintenance	100	-	-1.59	-2.37	-5.90
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.17
Tucson, AZ	CO	Maintenance	100	-	-29.71	-44.34	-101.45
Utah County, UT	PM ₁₀	Moderate	100	-	-13.18	-19.68	-45.62
Vancouver, WA	CO	Maintenance	100	-	-7.49	-11.19	-26.41
Ventura County, CA	Ozone	Serious	50	-	-11.79	-17.62	-46.36
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.29	-1.93	-3.92
Vigo County, IN	SO _x	Maintenance	100	-	-13.26	-19.77	-41.00
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.85	-1.28	-3.30
Warren County, NJ	SO _x	Maintenance	100	-	-0.57	-0.85	-2.18
Warren County, PA	SO _x	Nonattainment	100	-	-0.40	-0.60	-1.39
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-15.84	-23.62	-49.74
Washington, DC-MD-VA	CO	Maintenance	100	-	-21.75	-32.51	-85.73

Table B.1-18
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-87.05	-130.06	-331.29
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-81.53	-121.84	-313.44
Washoe County, NV	PM ₁₀	Serious	70	-	-7.13	-10.64	-24.42
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.47	-0.70	-1.44
Wayne County, IN	SO _x	Maintenance	100	-	-5.75	-8.58	-17.99
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.42	-17.02	-34.76
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.98	-1.46	-3.02
Weirton, WV	SO _x	Maintenance	100	-	-1.29	-1.93	-4.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-14.34	-21.39	-44.44
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.34	-21.39	-44.44
Winston-Salem, NC	CO	Maintenance	100	-	-14.30	-21.34	-47.90
Worcester, MA	CO	Maintenance	100	-	-2.70	-4.03	-10.95
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.28	-9.36	-19.83
Yakima, WA	CO	Maintenance	100	-	-2.58	-3.85	-8.16
York, PA	Ozone	Maintenance	100	-	-15.12	-22.56	-50.80
York, PA	PM _{2.5}	Nonattainment	100	-	-9.86	-14.71	-33.87
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-19.61	-29.26	-66.71
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.91	-10.31	-22.97

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.39	-0.64	-1.51
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.27	-0.46	-1.60
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.28	-0.48	-1.67
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-103.36	-174.71	-553.59
Albuquerque, NM	CO	Maintenance	100	-	-41.54	-70.64	-235.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	-17.88	-29.81	-83.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-30.33	-52.59	-203.14
Altoona, PA	Ozone	Maintenance	100	-	-16.52	-27.25	-67.56
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.18	-4.76	-44.70
Anchorage, AK	CO	Maintenance	100	-	-27.53	-45.36	-111.52
Anthony, NM	PM ₁₀	Moderate	100	-	-1.35	-2.23	-5.45
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.08	-0.16	-1.15
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.30	-2.15	-5.31
Atlanta, GA	Ozone	Moderate	50	-	-493.09	-839.00	-2,809.71
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-493.71	-840.02	-2,812.13
Atlantic City, NJ	CO	Maintenance	100	-	-1.61	-2.90	-14.19
Bakersfield, CA	CO	Maintenance	100	-	-57.89	-96.31	-262.91
Baltimore, MD	CO	Maintenance	100	-	-1.42	-2.35	-6.10
Baltimore, MD	Ozone	Moderate	50	-	-106.88	-191.38	-901.69
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-106.88	-191.38	-901.67
Baton Rouge, LA	Ozone	Moderate	50	-	-271.90	-443.26	-953.95
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-455.74	-737.94	-1,444.52
Benton County, TN	SO _x	Maintenance	100	-	-0.49	-0.81	-1.70
Benton Harbor, MI	Ozone	Maintenance	100	-	-35.63	-58.51	-138.17
Benzie County, MI	Ozone	Maintenance	100	-	-3.44	-5.71	-15.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-23.45	-38.77	-99.19
Billings, MT	CO	Maintenance	100	-	-123.55	-199.87	-385.82
Birmingham, AL	Ozone	Maintenance	100	-	-75.28	-127.51	-411.09

Appendix B

Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-75.79	-128.36	-413.26
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-67.00	-110.23	-265.84
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-67.00	-110.23	-265.84
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.06	-5.05	-12.71
Boston, MA	CO	Maintenance	100	-	-34.45	-60.74	-261.62
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-150.06	-273.61	-1,417.18
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-13.58	-26.02	-167.14
Boyd County (part), KY	SO _x	Maintenance	100	-	-7.65	-12.41	-24.77
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-70.20	-120.19	-422.88
Burlington, NJ	CO	Maintenance	100	-	-0.24	-0.44	-2.01
Butte, MT	PM ₁₀	Moderate	100	-	-10.26	-16.68	-34.39
Canon City, CO	PM ₁₀	Maintenance	100	-	-4.74	-7.78	-18.29
Canton-Massillon, OH	Ozone	Maintenance	100	-	-53.23	-87.64	-212.95
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-53.23	-87.64	-212.95
Case County, MI	Ozone	Maintenance	100	-	-6.79	-11.22	-28.41
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.20	-0.33	-0.74
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.30	-3.75	-7.98
Charleston, WV	Ozone	Maintenance	100	-	-16.65	-28.43	-97.98
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-16.65	-28.43	-97.98
Charlotte, NC	CO	Maintenance	100	-	-34.81	-60.95	-251.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-133.40	-225.87	-725.73
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-125.47	-205.78	-478.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-114.80	-188.30	-437.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-407.56	-702.11	-2,587.94
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-431.39	-742.08	-2,705.86
Chico, CA	CO	Maintenance	100	-	-8.62	-14.71	-50.46
Chico, CA	Ozone	Former Subpart 1	50	-	-18.94	-32.32	-110.89
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-128.53	-219.57	-759.22

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Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-119.42	-204.49	-720.29
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.50	-2.50	-6.81
Clark County, NV	PM ₁₀	Serious	70	-	-70.08	-123.34	-525.22
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-69.17	-113.31	-259.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-38.95	-63.94	-150.29
Cleveland, OH	CO	Maintenance	100	-	-70.68	-119.27	-372.36
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-138.38	-238.61	-885.64
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-127.17	-219.27	-813.48
Coachella Valley, CA	PM ₁₀	Serious	70	-	-6.23	-14.60	-158.33
Colbert County, AL	SO _x	Maintenance	100	-	-11.88	-19.50	-45.89
Colorado Springs, CO	CO	Maintenance	100	-	-84.03	-139.52	-372.77
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.28	-2.10	-4.99
Columbia, SC	Ozone	Former Subpart 1	50	-	-137.83	-226.46	-537.88
Columbus, OH	Ozone	Maintenance	100	-	-144.88	-244.75	-771.12
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-123.59	-209.61	-683.44
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.21	-0.35	-1.16
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.14
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-70.68	-119.27	-372.36
Cuyahoga County, OH	SO _x	Maintenance	100	-	-58.77	-99.18	-309.62
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-462.86	-793.14	-2,809.03
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-64.92	-109.65	-344.93
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-56.25	-95.07	-301.00
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-118.85	-211.29	-955.67
Denver-Boulder, CO	CO	Maintenance	100	-	-116.59	-206.78	-922.66
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-218.94	-376.86	-1,380.59
Detroit, MI	CO	Maintenance	100	-	-140.70	-235.92	-694.74
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-357.82	-605.74	-1,943.57
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-342.19	-579.98	-1,880.30

Appendix B

**Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.81	-1.54	-9.66
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.40	-4.08	-13.67
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.93	-3.29	-11.03
Duluth, MN	CO	Maintenance	100	-	-15.77	-25.92	-61.84
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.71	-2.81	-6.92
East Chicago, IN	CO	Maintenance	100	-	-0.15	-0.25	-0.64
East Chicago, IN	PM ₁₀	Maintenance	100	-	-91.14	-148.31	-311.36
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.20	-0.33	-0.79
El Paso County, TX	PM ₁₀	Moderate	100	-	-53.83	-89.95	-256.15
El Paso, TX	CO	Maintenance	100	-	-2.70	-4.55	-13.96
Erie, PA	Ozone	Maintenance	100	-	-16.50	-27.96	-90.60
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.05	-0.09	-0.47
Eugene-Springfield, OR	CO	Maintenance	100	-	-43.77	-72.10	-176.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-41.94	-69.08	-168.94
Evansville, IN	Ozone	Maintenance	100	-	-27.81	-46.41	-130.60
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-46.04	-76.26	-198.41
Fairbanks, AK	CO	Maintenance	100	-	-5.64	-9.22	-20.52
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-14.18	-24.69	-98.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.67	-2.74	-6.49
Flint, MI	Ozone	Maintenance	100	-	-34.20	-58.29	-197.63
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.23	-0.38	-0.87
Fort Collins, CO	CO	Maintenance	100	-	-19.20	-32.18	-94.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.15	-0.25	-0.58
Fort Wayne, IN	Ozone	Maintenance	100	-	-79.56	-130.66	-308.27
Franklin County, PA	Ozone	Maintenance	100	-	-27.98	-46.12	-113.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.16	-0.26	-0.61
Frederick County, VA	Ozone	Former Subpart 1	50	-	-44.85	-73.20	-159.76
Fredericksburg, VA	Ozone	Maintenance	100	-	-44.05	-73.90	-218.68

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.58	-1.05	-5.45
Fresno, CA	CO	Maintenance	100	-	-22.18	-39.66	-185.41
Grand Rapids, MI	Ozone	Maintenance	100	-	-75.76	-127.45	-387.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-6.03	-9.97	-25.19
Grant County, NM	SO _x	Maintenance	100	-	-0.76	-1.24	-2.73
Grants Pass, OR	CO	Maintenance	100	-	-0.09	-0.14	-0.35
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-6.33	-10.43	-25.80
Great Falls, MT	CO	Maintenance	100	-	-5.84	-9.52	-20.82
Greater Connecticut, CT	Ozone	Moderate	50	-	-88.62	-152.81	-566.87
Greeley, CO	CO	Maintenance	100	-	-28.91	-47.46	-111.41
Green Bay, WI	SO _x	Maintenance	100	-	-9.76	-16.51	-52.84
Greene County, IN	Ozone	Maintenance	100	-	-17.82	-29.07	-62.79
Greene County, PA	Ozone	Maintenance	100	-	-12.30	-20.11	-45.23
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-125.05	-211.61	-676.98
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-56.41	-95.84	-316.99
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-227.84	-373.04	-848.56
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.41	-2.41	-8.40
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-11.45	-19.18	-56.21
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-45.59	-79.00	-303.71
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-45.01	-77.65	-289.00
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-48.34	-84.27	-337.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.54	-0.95	-3.69
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-2.94	-5.01	-16.95
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.20	-0.36	-1.54
Hazelwood, PA	SO _x	Maintenance	100	-	-4.85	-8.07	-22.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-12.46	-21.14	-69.15
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-22.20	-37.56	-119.99
Hollis Township, IL	SO _x	Maintenance	100	-	-0.08	-0.15	-0.67

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,713.57	-2,801.48	-6,255.55
Humphreys County, TN	SO _x	Maintenance	100	-	-0.78	-1.27	-2.85
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-189.68	-307.92	-625.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-155.96	-252.64	-497.84
Huron County, MI	Ozone	Maintenance	100	-	-4.60	-7.59	-18.93
Imperial County, CA	Ozone	Moderate	50	-	-12.59	-21.81	-83.42
Imperial Valley, CA	PM ₁₀	Serious	70	-	-12.32	-21.33	-81.64
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-3.17	-5.31	-15.58
Indianapolis, IN	CO	Maintenance	100	-	-0.12	-0.20	-0.52
Indianapolis, IN	Ozone	Maintenance	100	-	-181.35	-305.35	-934.49
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-138.39	-233.42	-725.28
Jackson County, IN	Ozone	Maintenance	100	-	-27.98	-45.63	-98.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	-15.16	-25.40	-74.05
Jefferson County, NY	Ozone	Moderate	50	-	-5.90	-10.27	-40.64
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-2.51	-4.09	-8.83
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-65.32	-106.70	-235.82
Johnstown, PA	Ozone	Maintenance	100	-	-13.78	-22.77	-57.70
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-17.88	-29.44	-71.67
Juneau, AK	PM ₁₀	Moderate	100	-	-4.68	-7.63	-16.41
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-62.64	-104.11	-281.11
Kalispell, MT	PM ₁₀	Moderate	100	-	-6.78	-11.13	-26.39
Kansas City, MO-KS	Ozone	Maintenance	100	-	-267.34	-442.05	-1,129.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.71	-2.06	-30.17
Kent, WA	PM ₁₀	Maintenance	100	-	-2.56	-4.29	-12.83
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-8.06	-13.50	-39.60
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.75	-2.98	-9.74
King County, WA	PM ₁₀	Maintenance	100	-	-1.01	-1.70	-5.08
Klamath Falls, OR	CO	Maintenance	100	-	-11.24	-18.43	-42.79

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Table B.1-19
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-11.24	-18.43	-42.79
Knoxville, TN	Ozone	Former Subpart 1	50	-	-245.85	-404.59	-978.95
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-203.25	-333.98	-794.04
La Porte County, IN	SO _x	Maintenance	100	-	-8.05	-13.19	-30.30
LaGrande, OR	PM ₁₀	Maintenance	100	-	-4.42	-7.23	-16.11
Lake County, IN	SO _x	Maintenance	100	-	-44.11	-72.95	-186.66
Lake County, OH	SO _x	Maintenance	100	-	-1.20	-2.14	-10.09
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.53	-2.50	-5.68
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.33	-0.76	-7.82
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.92	-1.97	-17.70
Lake Tahoe, NV	CO	Maintenance	100	-	-1.04	-1.81	-6.91
Lamar, CO	PM ₁₀	Maintenance	100	-	-4.99	-8.10	-16.62
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.53
Lancaster, PA	Ozone	Maintenance	100	-	-13.94	-25.29	-127.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-13.94	-25.29	-127.77
Lane County, OR	PM ₁₀	Moderate	100	-	-0.23	-0.39	-0.94
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-19.44	-34.27	-147.59
LaPorte, IN	Ozone	Maintenance	100	-	-22.42	-36.74	-84.43
Las Vegas, NV	CO	Serious	100	-	-70.08	-123.34	-525.22
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-70.95	-124.87	-531.70
Lauderdale County, AL	SO _x	Maintenance	100	-	-3.35	-5.92	-25.67
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.37	-0.60	-1.42
Libby, MT	PM ₁₀	Moderate	100	-	-0.60	-0.99	-2.56
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.80	-1.32	-3.41
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.50	-2.50	-6.81
Lima, OH	Ozone	Maintenance	100	-	-51.20	-83.28	-173.81
Longmont, CO	CO	Maintenance	100	-	-1.66	-3.29	-23.87
Lorain County, OH	SO _x	Maintenance	100	-	-2.16	-3.77	-15.11

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Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-756.89	-1,319.86	-5,296.26
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-756.89	-1,319.86	-5,296.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-756.89	-1,319.86	-5,296.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-756.90	-1,319.88	-5,296.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-756.85	-1,319.80	-5,296.01
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-25.35	-45.41	-214.32
Louisville, KY-IN	Ozone	Maintenance	100	-	-81.23	-137.82	-450.91
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-82.09	-138.94	-445.02
Lowell, MA	CO	Maintenance	100	-	-3.99	-7.16	-34.17
Lucas County, OH	SO _x	Maintenance	100	-	-21.18	-35.90	-116.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-2.90	-5.03	-19.66
Macon, GA	Ozone	Maintenance	100	-	-50.14	-82.11	-187.33
Macon, GA	PM _{2.5}	Nonattainment	100	-	-49.75	-81.46	-185.72
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.37	-0.61	-1.61
Madison, WI	SO _x	Maintenance	100	-	-16.81	-28.77	-100.87
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.03	-1.74	-5.39
Manchester, NH	CO	Maintenance	100	-	-0.72	-1.60	-15.56
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.93	-5.32	-27.04
Marion County, IN	SO _x	Maintenance	100	-	-42.28	-70.05	-182.81
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-4.37	-7.85	-37.70
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-55.59	-91.68	-227.30
Mason County, MI	Ozone	Maintenance	100	-	-3.45	-5.73	-15.40
Medford, OR	CO	Maintenance	100	-	-2.01	-3.78	-22.32
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-4.83	-9.06	-53.54
Memphis, TN-AR	Ozone	Maintenance	100	-	-128.80	-213.66	-565.11
Memphis, TN	CO	Maintenance	100	-	-83.01	-139.32	-413.69
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.47	-4.19	-13.49

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.53	-0.88	-2.48
Milwaukee, WI	SO _x	Maintenance	100	-	-38.66	-65.47	-210.81
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-106.87	-183.47	-658.88
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-419.21	-694.79	-1,820.12
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-306.21	-511.87	-1,463.82
Missoula, MT	CO	Maintenance	100	-	-24.91	-40.59	-86.85
Missoula, MT	PM ₁₀	Moderate	100	-	-24.11	-39.29	-84.08
Modesto, CA	CO	Maintenance	100	-	-23.66	-40.33	-137.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-7.54	-12.90	-45.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.14	-0.24	-0.75
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.28	-0.47	-1.43
Morristown, NJ	CO	Maintenance	100	-	-1.17	-2.11	-10.33
Muhlenberg County, KY	SO _x	Maintenance	100	-	-5.57	-9.15	-21.87
Muncie, IN	Ozone	Maintenance	100	-	-40.37	-65.80	-141.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.77	-1.27	-3.22
Muscatine County, IA	SO _x	Maintenance	100	-	-2.89	-4.76	-11.58
Muskegon, MI	Ozone	Maintenance	100	-	-20.80	-34.36	-87.05
Nashua, NH	CO	Maintenance	100	-	-0.58	-1.29	-12.53
Nashville, TN	Ozone	Former Subpart 1	50	-	-112.79	-192.48	-660.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-6.12	-10.93	-50.99
New Haven County, CT	PM ₁₀	Maintenance	100	-	-22.71	-37.58	-96.58
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-108.50	-179.76	-469.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.64	-2.69	-5.99
New York County, NY	PM ₁₀	Moderate	100	-	-212.04	-344.85	-718.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-868.73	-1,448.95	-4,052.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,257.96	-2,120.70	-6,561.88
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,226.40	-2,068.97	-6,442.22
Nogales, AZ	PM ₁₀	Moderate	100	-	-2.97	-5.05	-16.85

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-177.24	-295.57	-825.23
Ogden, UT	CO	Maintenance	100	-	-3.00	-5.25	-21.78
Ogden, UT	PM ₁₀	Moderate	100	-	-3.00	-5.25	-21.78
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.13	-0.23	-0.79
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.09	-3.49	-9.92
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-7.24	-12.39	-43.60
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.34	-0.57	-1.87
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-26.34	-43.36	-105.36
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-28.08	-46.18	-110.79
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.59	-2.70	-8.68
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.17
Peoria, IL	SO _x	Maintenance	100	-	-3.55	-6.30	-28.40
Perth Amboy, NJ	CO	Maintenance	100	-	-9.14	-15.29	-44.12
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-22.77	-38.93	-135.58
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-582.83	-967.29	-2,571.30
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-678.51	-1,134.42	-3,249.48
Phoenix, AZ	CO	Maintenance	100	-	-111.60	-214.75	-1,399.86
Phoenix, AZ	PM ₁₀	Serious	70	-	-116.52	-223.64	-1,443.87
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-116.86	-224.29	-1,448.02
Pierce County, WA	PM ₁₀	Maintenance	100	-	-3.31	-5.40	-11.84
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.23	-0.37	-0.88
Pittsburgh, PA	CO	Maintenance	100	-	-3.23	-5.37	-14.65
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-212.13	-354.14	-999.79
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-178.91	-299.51	-868.40
Polk County, TN	SO _x	Maintenance	100	-	-4.64	-7.61	-17.81
Polson, MT	PM ₁₀	Moderate	100	-	-0.29	-0.48	-1.48
Portland, ME	Ozone	Maintenance	100	-	-42.27	-71.65	-232.64

Appendix B

Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-69.36	-118.94	-423.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-9.62	-15.79	-36.91
Poughkeepsie, NY	Ozone	Moderate	50	-	-55.84	-99.21	-447.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.73	-2.85	-6.81
Providence (entire State), RI	Ozone	Moderate	50	-	-97.48	-163.47	-482.11
Provo, UT	CO	Maintenance	100	-	-10.37	-17.82	-64.58
Raleigh-Durham, NC	CO	Maintenance	100	-	-45.43	-81.84	-398.59
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-71.76	-127.41	-571.92
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.27	-0.45	-1.15
Reading, PA	Ozone	Maintenance	100	-	-24.90	-42.20	-136.60
Reading, PA	PM _{2.5}	Nonattainment	100	-	-24.90	-42.20	-136.60
Reno, NV	CO	Maintenance	100	-	-16.40	-27.96	-95.27
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.17	-0.28	-0.72
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-80.81	-137.87	-471.60
Rillito, AZ	PM ₁₀	Moderate	100	-	-3.57	-6.10	-21.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-6.23	-14.60	-158.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	-40.17	-66.38	-168.35
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-8.91	-14.89	-42.36
Rochester, NY	Ozone	Former Subpart 1	50	-	-78.13	-134.17	-483.25
Rocky Mount, NC	Ozone	Maintenance	100	-	-22.07	-36.71	-99.85
Rome, GA	PM _{2.5}	Nonattainment	100	-	-24.45	-40.17	-95.67
Ronan, MT	PM ₁₀	Moderate	100	-	-0.11	-0.18	-0.56
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.45	-0.73	-1.79
Sacramento County, CA	PM ₁₀	Moderate	100	-	-47.17	-86.51	-460.92
Sacramento Metro, CA	Ozone	Severe	25	-	-120.02	-212.75	-946.36
Sacramento, CA	CO	Maintenance	100	-	-51.75	-95.20	-514.29
Salem, OR	CO	Maintenance	100	-	-6.41	-11.13	-43.26
Salt Lake City, UT	CO	Maintenance	100	-	-14.40	-24.58	-84.51

Appendix B

Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-46.43	-81.39	-337.90
Salt Lake County, UT	SO _x	Nonattainment	100	-	-40.44	-71.72	-319.84
San Antonio, TX	Ozone	Former Subpart 1	50	-	-326.88	-539.42	-1,347.25
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-10.39	-19.57	-116.95
San Diego, CA	CO	Maintenance	100	-	-92.41	-177.36	-1,145.00
San Diego, CA	Ozone	Former Subpart 1	50	-	-92.58	-177.69	-1,147.17
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-568.33	-959.09	-2,994.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-586.41	-993.58	-3,212.27
San Joaquin Valley, CA	Ozone	Extreme	10	-	-323.61	-553.59	-1,935.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-325.15	-556.17	-1,942.85
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-323.61	-553.59	-1,935.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.45	-2.57	-11.30
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.22	-0.37	-0.80
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-58.32	-98.17	-299.65
Seattle-Tacoma, WA	CO	Maintenance	100	-	-260.78	-440.02	-1,372.40
Sheboygan, WI	Ozone	Moderate	50	-	-8.68	-14.75	-48.95
Sheridan, WY	PM ₁₀	Moderate	100	-	-7.54	-12.31	-26.70
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.45	-0.84	-4.73
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-41.16	-69.17	-207.79
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-7.35	-12.77	-49.84
Spokane County, WA	PM ₁₀	Maintenance	100	-	-34.32	-57.28	-161.42
Spokane, WA	CO	Maintenance	100	-	-33.94	-56.65	-159.63
Springfield (western MA), MA	Ozone	Moderate	50	-	-29.71	-53.34	-254.89
Springfield, MA	CO	Maintenance	100	-	-5.97	-10.53	-45.56
St. Louis, MO	CO	Maintenance	100	-	-205.04	-335.92	-769.93
St. Louis, MO-IL	Ozone	Moderate	50	-	-508.94	-838.75	-2,063.89
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-508.06	-837.22	-2,057.73

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Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-3.83	-7.28	-45.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.24	-3.75	-10.81
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-14.47	-23.59	-50.88
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-36.91	-60.10	-127.54
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-36.91	-60.10	-127.54
Stockton, CA	CO	Maintenance	100	-	-27.92	-48.30	-183.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-77.97	-128.85	-327.18
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.15	-0.61
Terre Haute, IN	Ozone	Maintenance	100	-	-33.05	-54.07	-121.88
Tioga County, PA	Ozone	Maintenance	100	-	-2.82	-4.87	-18.34
Toledo, OH	Ozone	Maintenance	100	-	-97.56	-160.66	-392.14
Toms River, NJ	CO	Maintenance	100	-	-2.91	-5.36	-29.17
Tooele County, UT	SO _x	Nonattainment	100	-	-16.89	-27.90	-70.33
Trenton, NJ	CO	Maintenance	100	-	-3.66	-6.45	-27.73
Trona, CA	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.91
Tucson, AZ	CO	Maintenance	100	-	-68.57	-117.14	-404.86
Utah County, UT	PM ₁₀	Moderate	100	-	-30.09	-51.72	-187.43
Vancouver, WA	CO	Maintenance	100	-	-16.35	-28.49	-113.69
Ventura County, CA	Ozone	Serious	50	-	-23.43	-43.56	-247.14
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-3.21	-5.22	-10.92
Vigo County, IN	SO _x	Maintenance	100	-	-33.05	-54.07	-121.88
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.87	-3.36	-16.03
Warren County, NJ	SO _x	Maintenance	100	-	-1.22	-2.20	-10.49
Warren County, PA	SO _x	Nonattainment	100	-	-0.93	-1.58	-5.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-39.00	-64.22	-156.53
Washington, DC-MD-VA	CO	Maintenance	100	-	-47.11	-85.74	-439.99

Appendix B

**Table B.1-19
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-184.19	-332.02	-1,621.68
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-171.04	-310.02	-1,558.44
Washoe County, NV	PM ₁₀	Serious	70	-	-16.40	-27.96	-95.27
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.15	-1.88	-4.21
Wayne County, IN	SO _x	Maintenance	100	-	-14.42	-23.67	-55.47
Wayne County, MI	PM ₁₀	Maintenance	100	-	-30.41	-49.60	-107.33
Weirton, WV	PM ₁₀	Maintenance	100	-	-2.30	-3.75	-8.43
Weirton, WV	SO _x	Maintenance	100	-	-3.10	-5.06	-11.35
Wheeling, WV-OH	Ozone	Maintenance	100	-	-35.72	-58.48	-132.75
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-35.72	-58.48	-132.75
Winston-Salem, NC	CO	Maintenance	100	-	-33.76	-57.02	-179.30
Worcester, MA	CO	Maintenance	100	-	-5.53	-10.34	-60.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	-14.96	-24.73	-62.83
Yakima, WA	CO	Maintenance	100	-	-6.74	-11.14	-28.31
York, PA	Ozone	Maintenance	100	-	-35.49	-60.09	-192.97
York, PA	PM _{2.5}	Nonattainment	100	-	-22.78	-38.94	-135.34
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-46.57	-78.75	-250.38
Yuma, AZ	PM ₁₀	Moderate	100	-	-16.16	-27.32	-86.59

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.48	-0.79	-1.97
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.26	-0.47	-2.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.27	-0.49	-2.18
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-121.21	-212.09	-771.05
Albuquerque, NM	CO	Maintenance	100	-	-44.42	-78.94	-315.83
Allegan County, MI	Ozone	Former Subpart 1	50	-	-21.36	-36.65	-116.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-30.68	-56.69	-277.64
Altoona, PA	Ozone	Maintenance	100	-	-21.41	-35.89	-92.77
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.58	-1.69	-70.58
Anchorage, AK	CO	Maintenance	100	-	-33.50	-56.36	-151.26
Anthony, NM	PM ₁₀	Moderate	100	-	-1.49	-2.51	-6.78
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.07	-0.18	-1.75
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.51	-2.54	-6.99
Atlanta, GA	Ozone	Moderate	50	-	-503.67	-903.25	-3,806.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-504.24	-904.20	-3,808.62
Atlantic City, NJ	CO	Maintenance	100	-	-1.48	-2.95	-19.33
Bakersfield, CA	CO	Maintenance	100	-	-61.96	-106.52	-342.18
Baltimore, MD	CO	Maintenance	100	-	-1.97	-3.32	-8.92
Baltimore, MD	Ozone	Moderate	50	-	-100.07	-198.62	-1,282.25
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-100.07	-198.62	-1,282.23
Baton Rouge, LA	Ozone	Moderate	50	-	-344.16	-568.90	-1,275.47
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-611.87	-1,001.18	-1,985.81
Benton County, TN	SO _x	Maintenance	100	-	-0.65	-1.07	-2.29
Benton Harbor, MI	Ozone	Maintenance	100	-	-45.24	-75.40	-184.74
Benzie County, MI	Ozone	Maintenance	100	-	-4.27	-7.27	-21.81
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-26.67	-45.21	-129.87
Billings, MT	CO	Maintenance	100	-	-165.03	-269.72	-527.37
Birmingham, AL	Ozone	Maintenance	100	-	-90.32	-157.86	-569.78

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-91.04	-159.07	-573.07
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-76.73	-129.01	-343.88
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-76.73	-129.01	-343.88
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.89	-6.58	-18.29
Boston, MA	CO	Maintenance	100	-	-36.07	-68.13	-366.88
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-136.76	-280.80	-2,009.35
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-8.94	-22.30	-239.73
Boyd County (part), KY	SO _x	Maintenance	100	-	-11.55	-18.92	-38.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-82.36	-146.57	-591.20
Burlington, NJ	CO	Maintenance	100	-	-0.18	-0.35	-1.97
Butte, MT	PM ₁₀	Moderate	100	-	-13.27	-21.81	-45.69
Canon City, CO	PM ₁₀	Maintenance	100	-	-6.74	-11.24	-27.91
Canton-Massillon, OH	Ozone	Maintenance	100	-	-68.52	-114.65	-292.14
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-68.52	-114.65	-292.14
Case County, MI	Ozone	Maintenance	100	-	-8.72	-14.67	-39.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.30	-0.50	-1.18
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.74	-4.51	-9.86
Charleston, WV	Ozone	Maintenance	100	-	-19.80	-34.91	-133.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-19.80	-34.91	-133.14
Charlotte, NC	CO	Maintenance	100	-	-30.32	-58.61	-345.15
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-136.24	-242.10	-968.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-154.59	-257.75	-633.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-141.51	-236.02	-581.81
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-450.09	-816.40	-3,655.04
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-477.63	-864.09	-3,816.19
Chico, CA	CO	Maintenance	100	-	-9.34	-16.93	-75.34
Chico, CA	Ozone	Former Subpart 1	50	-	-19.58	-35.47	-157.83
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-140.53	-251.30	-1,042.45

Appendix B

**Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-129.74	-233.01	-989.66
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.87	-3.17	-8.86
Clark County, NV	PM ₁₀	Serious	70	-	-58.80	-116.23	-740.33
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-85.66	-142.74	-348.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-50.71	-84.56	-208.01
Cleveland, OH	CO	Maintenance	100	-	-87.84	-151.83	-507.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-157.68	-284.19	-1,230.44
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-145.24	-261.58	-1,128.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	5.20	-0.87	-240.50
Colbert County, AL	SO _x	Maintenance	100	-	-15.58	-25.93	-62.69
Colorado Springs, CO	CO	Maintenance	100	-	-98.27	-167.73	-509.26
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.50	-2.52	-6.60
Columbia, SC	Ozone	Former Subpart 1	50	-	-170.66	-285.49	-725.34
Columbus, OH	Ozone	Maintenance	100	-	-160.26	-282.11	-1,065.92
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-134.71	-239.04	-948.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.25	-0.44	-1.46
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.18
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-87.84	-151.83	-507.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	-91.00	-155.78	-483.99
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-459.75	-839.07	-3,874.76
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-78.15	-135.88	-473.31
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-67.84	-118.04	-413.22
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-102.52	-204.66	-1,345.90
Denver-Boulder, CO	CO	Maintenance	100	-	-101.51	-201.36	-1,297.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-216.46	-398.12	-1,908.41
Detroit, MI	CO	Maintenance	100	-	-213.67	-361.72	-1,025.56
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-428.10	-749.13	-2,724.71
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-407.99	-715.39	-2,636.57

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.60	-1.43	-14.11
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.33	-4.17	-17.28
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.92	-3.43	-14.24
Duluth, MN	CO	Maintenance	100	-	-20.72	-34.58	-85.64
Eagle River, AK	PM ₁₀	Moderate	100	-	-2.16	-3.63	-9.73
East Chicago, IN	CO	Maintenance	100	-	-0.17	-0.29	-0.81
East Chicago, IN	PM ₁₀	Maintenance	100	-	-119.32	-196.55	-423.17
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.24	-0.40	-1.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-60.14	-103.73	-341.37
El Paso, TX	CO	Maintenance	100	-	-2.75	-4.82	-17.77
Erie, PA	Ozone	Maintenance	100	-	-20.02	-34.97	-125.69
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.06	-0.11	-0.75
Eugene-Springfield, OR	CO	Maintenance	100	-	-53.99	-90.70	-240.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-51.88	-87.15	-230.72
Evansville, IN	Ozone	Maintenance	100	-	-33.03	-56.58	-176.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-55.31	-93.61	-264.81
Fairbanks, AK	CO	Maintenance	100	-	-6.73	-11.19	-26.71
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-15.73	-28.93	-138.76
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.95	-3.27	-8.56
Flint, MI	Ozone	Maintenance	100	-	-40.75	-71.89	-275.63
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.31	-0.52	-1.16
Fort Collins, CO	CO	Maintenance	100	-	-21.00	-36.53	-127.79
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.18	-0.31	-0.73
Fort Wayne, IN	Ozone	Maintenance	100	-	-98.85	-165.18	-415.07
Franklin County, PA	Ozone	Maintenance	100	-	-32.45	-54.66	-148.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.24	-0.40	-0.95
Frederick County, VA	Ozone	Former Subpart 1	50	-	-53.89	-89.29	-205.51
Fredericksburg, VA	Ozone	Maintenance	100	-	-48.55	-84.67	-300.96

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**Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.63	-1.28	-8.96
Fresno, CA	CO	Maintenance	100	-	-16.79	-34.80	-255.34
Grand Rapids, MI	Ozone	Maintenance	100	-	-86.32	-150.47	-533.58
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-7.02	-11.81	-31.90
Grant County, NM	SO _x	Maintenance	100	-	-0.88	-1.46	-3.37
Grants Pass, OR	CO	Maintenance	100	-	-0.11	-0.18	-0.49
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-8.04	-13.54	-36.59
Great Falls, MT	CO	Maintenance	100	-	-7.85	-12.96	-28.65
Greater Connecticut, CT	Ozone	Moderate	50	-	-99.30	-179.27	-783.09
Greeley, CO	CO	Maintenance	100	-	-33.90	-56.76	-145.30
Green Bay, WI	SO _x	Maintenance	100	-	-10.36	-18.29	-70.31
Greene County, IN	Ozone	Maintenance	100	-	-23.54	-38.90	-86.90
Greene County, PA	Ozone	Maintenance	100	-	-16.16	-26.80	-62.41
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-138.17	-242.85	-908.75
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-61.31	-108.50	-423.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-272.79	-453.88	-1,091.86
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.56	-2.78	-11.48
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-14.00	-24.12	-78.46
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-46.55	-86.08	-423.25
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-46.72	-85.55	-401.68
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-51.75	-95.33	-460.27
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.51	-0.96	-5.17
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-3.12	-5.62	-23.99
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.26	-0.48	-2.33
Hazelwood, PA	SO _x	Maintenance	100	-	-7.39	-12.49	-34.93
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-14.10	-24.78	-92.42
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-26.13	-45.66	-164.33
Hollis Township, IL	SO _x	Maintenance	100	-	-0.08	-0.16	-0.89

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Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,123.85	-3,528.05	-8,344.40
Humphreys County, TN	SO _x	Maintenance	100	-	-1.04	-1.73	-4.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-251.89	-413.51	-854.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-209.45	-342.83	-683.06
Huron County, MI	Ozone	Maintenance	100	-	-5.93	-9.96	-26.14
Imperial County, CA	Ozone	Moderate	50	-	-11.17	-21.14	-114.87
Imperial Valley, CA	PM ₁₀	Serious	70	-	-10.93	-20.69	-112.52
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.88	-5.03	-18.23
Indianapolis, IN	CO	Maintenance	100	-	-0.13	-0.22	-0.62
Indianapolis, IN	Ozone	Maintenance	100	-	-207.99	-362.71	-1,289.64
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-157.43	-275.47	-1,001.61
Jackson County, IN	Ozone	Maintenance	100	-	-36.00	-59.51	-133.42
Jamestown, NY	Ozone	Former Subpart 1	50	-	-18.85	-32.37	-103.13
Jefferson County, NY	Ozone	Moderate	50	-	-6.16	-11.38	-55.83
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-3.25	-5.35	-11.70
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-83.74	-138.71	-318.04
Johnstown, PA	Ozone	Maintenance	100	-	-18.02	-30.19	-77.74
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-23.24	-38.78	-96.01
Juneau, AK	PM ₁₀	Moderate	100	-	-6.12	-10.13	-23.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-77.24	-131.27	-384.69
Kalispell, MT	PM ₁₀	Moderate	100	-	-7.87	-13.20	-34.54
Kansas City, MO-KS	Ozone	Maintenance	100	-	-325.95	-551.05	-1,543.98
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.21	0.25	-43.78
Kent, WA	PM ₁₀	Maintenance	100	-	-3.00	-5.23	-18.31
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-7.53	-13.16	-47.68
Kewaunee County, WI	Ozone	Maintenance	100	-	-2.13	-3.72	-13.58
King County, WA	PM ₁₀	Maintenance	100	-	-1.15	-2.00	-7.02
Klamath Falls, OR	CO	Maintenance	100	-	-14.32	-23.85	-57.99

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Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-14.32	-23.85	-57.99
Knoxville, TN	Ozone	Former Subpart 1	50	-	-288.49	-485.11	-1,295.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-240.39	-403.04	-1,046.44
La Porte County, IN	SO _x	Maintenance	100	-	-10.00	-16.63	-39.89
LaGrande, OR	PM ₁₀	Maintenance	100	-	-5.75	-9.53	-22.12
Lake County, IN	SO _x	Maintenance	100	-	-52.99	-89.37	-245.36
Lake County, OH	SO _x	Maintenance	100	-	-1.22	-2.36	-14.07
Lake County, OR	PM ₁₀	Maintenance	100	-	-2.04	-3.38	-7.91
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.24	-0.08	-12.31
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.11	-0.91	-29.39
Lake Tahoe, NV	CO	Maintenance	100	-	-1.15	-2.10	-9.50
Lamar, CO	PM ₁₀	Maintenance	100	-	-9.27	-15.20	-30.92
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.11	-0.19	-0.67
Lancaster, PA	Ozone	Maintenance	100	-	-11.87	-24.53	-178.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-11.87	-24.53	-178.64
Lane County, OR	PM ₁₀	Moderate	100	-	-0.24	-0.40	-1.07
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-20.41	-38.55	-207.75
LaPorte, IN	Ozone	Maintenance	100	-	-27.73	-46.13	-110.61
Las Vegas, NV	CO	Serious	100	-	-58.80	-116.23	-740.33
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-59.41	-117.44	-748.01
Lauderdale County, AL	SO _x	Maintenance	100	-	-3.43	-6.48	-34.75
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.44	-0.73	-1.85
Libby, MT	PM ₁₀	Moderate	100	-	-0.74	-1.25	-3.40
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.99	-1.66	-4.53
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.87	-3.17	-8.85
Lima, OH	Ozone	Maintenance	100	-	-67.80	-111.61	-238.44
Longmont, CO	CO	Maintenance	100	-	-0.75	-2.45	-36.10
Lorain County, OH	SO _x	Maintenance	100	-	-2.27	-4.22	-21.05

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**Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-789.60	-1,474.49	-7,571.82
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-789.60	-1,474.49	-7,571.82
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-789.60	-1,474.49	-7,571.82
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-789.62	-1,474.52	-7,571.89
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-789.56	-1,474.42	-7,571.46
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-24.48	-48.55	-312.79
Louisville, KY-IN	Ozone	Maintenance	100	-	-91.61	-161.32	-610.56
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-93.56	-163.90	-600.28
Lowell, MA	CO	Maintenance	100	-	-4.23	-8.28	-51.14
Lucas County, OH	SO _x	Maintenance	100	-	-28.54	-49.43	-167.86
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-3.26	-5.93	-26.83
Macon, GA	Ozone	Maintenance	100	-	-63.48	-105.46	-249.51
Macon, GA	PM _{2.5}	Nonattainment	100	-	-63.03	-104.70	-247.40
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.44	-0.75	-2.10
Madison, WI	SO _x	Maintenance	100	-	-17.45	-31.66	-142.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.36	-2.38	-8.79
Manchester, NH	CO	Maintenance	100	-	-0.08	-0.84	-19.93
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.90	-5.77	-37.62
Marion County, IN	SO _x	Maintenance	100	-	-52.02	-87.92	-245.40
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-3.77	-7.78	-56.58
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-64.65	-108.93	-295.91
Mason County, MI	Ozone	Maintenance	100	-	-4.25	-7.23	-21.31
Medford, OR	CO	Maintenance	100	-	-1.32	-3.20	-33.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.17	-7.73	-79.82
Memphis, TN-AR	Ozone	Maintenance	100	-	-162.14	-274.26	-772.17
Memphis, TN	CO	Maintenance	100	-	-103.20	-177.49	-571.82
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.69	-4.76	-18.86

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**Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.56	-0.97	-3.03
Milwaukee, WI	SO _x	Maintenance	100	-	-48.83	-85.00	-298.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-118.91	-214.04	-920.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-509.02	-863.57	-2,494.32
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-358.69	-617.61	-2,006.83
Missoula, MT	CO	Maintenance	100	-	-30.57	-50.54	-113.31
Missoula, MT	PM ₁₀	Moderate	100	-	-29.57	-48.89	-109.61
Modesto, CA	CO	Maintenance	100	-	-26.59	-47.62	-199.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-7.59	-13.84	-63.97
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.17	-0.30	-1.10
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.29	-0.51	-1.83
Morristown, NJ	CO	Maintenance	100	-	-1.21	-2.42	-16.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	-7.26	-12.11	-30.08
Muncie, IN	Ozone	Maintenance	100	-	-53.68	-88.52	-192.89
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-1.68	-2.81	-6.95
Muscatine County, IA	SO _x	Maintenance	100	-	-3.89	-6.52	-16.75
Muskegon, MI	Ozone	Maintenance	100	-	-25.62	-43.21	-118.55
Nashua, NH	CO	Maintenance	100	-	-0.06	-0.69	-16.28
Nashville, TN	Ozone	Former Subpart 1	50	-	-117.63	-211.49	-903.72
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-5.14	-10.64	-77.73
New Haven County, CT	PM ₁₀	Maintenance	100	-	-31.72	-53.52	-147.41
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-133.81	-226.25	-634.66
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-3.19	-5.26	-11.43
New York County, NY	PM ₁₀	Moderate	100	-	-271.36	-446.61	-951.79
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1,057.25	-1,806.94	-5,544.72
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,482.76	-2,580.95	-9,060.17
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,444.41	-2,516.93	-8,901.05
Nogales, AZ	PM ₁₀	Moderate	100	-	-3.03	-5.43	-22.58

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Table B.1-20							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-218.04	-372.50	-1,139.57
Ogden, UT	CO	Maintenance	100	-	-2.87	-5.41	-29.07
Ogden, UT	PM ₁₀	Moderate	100	-	-2.87	-5.41	-29.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.22	-0.90
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.00	-3.45	-11.47
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-7.00	-12.79	-59.46
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.92	-1.57	-4.63
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.11
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-34.15	-57.15	-145.47
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-37.62	-62.81	-156.40
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.68	-2.97	-11.77
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.23
Peoria, IL	SO _x	Maintenance	100	-	-3.62	-6.91	-38.69
Perth Amboy, NJ	CO	Maintenance	100	-	-12.19	-20.99	-68.19
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-25.87	-45.83	-180.15
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-728.09	-1,234.27	-3,541.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-823.38	-1,412.80	-4,471.07
Phoenix, AZ	CO	Maintenance	100	-	-34.54	-129.12	-2,104.93
Phoenix, AZ	PM ₁₀	Serious	70	-	-37.83	-136.33	-2,165.82
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-37.93	-136.67	-2,171.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	-4.17	-6.90	-15.54
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.28	-0.47	-1.12
Pittsburgh, PA	CO	Maintenance	100	-	-5.91	-9.99	-27.95
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-265.11	-452.77	-1,381.36
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-224.34	-384.53	-1,207.02
Polk County, TN	SO _x	Maintenance	100	-	-6.05	-10.08	-24.64
Polson, MT	PM ₁₀	Moderate	100	-	-0.36	-0.63	-2.24
Portland, ME	Ozone	Maintenance	100	-	-48.42	-85.18	-320.46

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-72.52	-130.86	-569.98
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-12.06	-20.10	-49.44
Poughkeepsie, NY	Ozone	Moderate	50	-	-52.70	-103.70	-650.64
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-2.28	-3.81	-9.41
Providence (entire State), RI	Ozone	Moderate	50	-	-119.56	-206.27	-680.16
Provo, UT	CO	Maintenance	100	-	-9.74	-18.00	-88.28
Raleigh-Durham, NC	CO	Maintenance	100	-	-33.66	-71.35	-556.01
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-58.96	-118.45	-794.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.32	-0.54	-1.47
Reading, PA	Ozone	Maintenance	100	-	-27.91	-49.10	-185.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-27.91	-49.10	-185.02
Reno, NV	CO	Maintenance	100	-	-17.08	-30.57	-127.46
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.29	-0.48	-1.33
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-86.08	-153.80	-635.17
Rillito, AZ	PM ₁₀	Moderate	100	-	-3.75	-6.79	-30.19
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	5.20	-0.87	-240.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	-47.56	-80.23	-220.50
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-9.67	-16.70	-55.55
Rochester, NY	Ozone	Former Subpart 1	50	-	-90.21	-161.63	-677.94
Rocky Mount, NC	Ozone	Maintenance	100	-	-26.95	-45.83	-135.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	-30.31	-50.68	-128.16
Ronan, MT	PM ₁₀	Moderate	100	-	-0.14	-0.24	-0.84
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.50	-0.84	-2.22
Sacramento County, CA	PM ₁₀	Moderate	100	-	-36.89	-81.12	-689.68
Sacramento Metro, CA	Ozone	Severe	25	-	-105.92	-211.59	-1,394.41
Sacramento, CA	CO	Maintenance	100	-	-37.27	-84.38	-763.22
Salem, OR	CO	Maintenance	100	-	-6.39	-11.81	-57.84
Salt Lake City, UT	CO	Maintenance	100	-	-15.60	-27.94	-117.05

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-43.94	-83.67	-465.89
Salt Lake County, UT	SO _x	Nonattainment	100	-	-35.83	-70.46	-441.08
San Antonio, TX	Ozone	Former Subpart 1	50	-	-372.22	-628.90	-1,753.00
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.60	-14.39	-161.69
San Diego, CA	CO	Maintenance	100	-	-49.70	-137.23	-1,695.96
San Diego, CA	Ozone	Former Subpart 1	50	-	-49.78	-137.48	-1,699.28
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-642.59	-1,127.93	-4,184.81
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-654.07	-1,156.46	-4,489.73
San Joaquin Valley, CA	Ozone	Extreme	10	-	-329.88	-600.43	-2,735.69
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-331.03	-602.45	-2,742.99
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-329.88	-600.43	-2,735.69
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.18	-2.36	-15.76
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.30	-0.49	-1.11
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-71.10	-123.18	-418.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	-284.52	-499.99	-1,868.82
Sheboygan, WI	Ozone	Moderate	50	-	-9.76	-17.30	-67.99
Sheridan, WY	PM ₁₀	Moderate	100	-	-8.71	-14.43	-33.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Somerville, NJ	CO	Maintenance	100	-	-0.33	-0.74	-6.64
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-48.13	-83.38	-283.21
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-7.06	-12.82	-57.90
Spokane County, WA	PM ₁₀	Maintenance	100	-	-37.85	-65.26	-214.14
Spokane, WA	CO	Maintenance	100	-	-37.40	-64.49	-211.61
Springfield (western MA), MA	Ozone	Moderate	50	-	-30.08	-58.79	-360.24
Springfield, MA	CO	Maintenance	100	-	-7.10	-13.29	-68.88
St. Louis, MO	CO	Maintenance	100	-	-279.32	-463.25	-1,077.00
St. Louis, MO-IL	Ozone	Moderate	50	-	-643.40	-1,078.88	-2,804.67
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-642.52	-1,077.23	-2,796.42

Appendix B

Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-2.81	-6.67	-65.92
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.45	-4.27	-15.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-20.14	-33.22	-72.59
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-49.10	-80.90	-174.78
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-49.10	-80.90	-174.78
Stockton, CA	CO	Maintenance	100	-	-31.25	-57.59	-278.60
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-100.21	-168.60	-452.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.16	-0.97
Terre Haute, IN	Ozone	Maintenance	100	-	-41.60	-68.99	-160.55
Tioga County, PA	Ozone	Maintenance	100	-	-3.29	-5.92	-25.21
Toledo, OH	Ozone	Maintenance	100	-	-125.92	-210.82	-539.87
Toms River, NJ	CO	Maintenance	100	-	-2.46	-5.35	-44.09
Tooele County, UT	SO _x	Nonattainment	100	-	-18.95	-32.07	-90.59
Trenton, NJ	CO	Maintenance	100	-	-3.96	-7.46	-39.95
Trona, CA	PM ₁₀	Moderate	100	-	-0.05	-0.12	-1.35
Tucson, AZ	CO	Maintenance	100	-	-68.56	-124.17	-551.69
Utah County, UT	PM ₁₀	Moderate	100	-	-27.80	-51.37	-251.95
Vancouver, WA	CO	Maintenance	100	-	-14.76	-28.20	-158.99
Ventura County, CA	Ozone	Serious	50	-	-17.25	-39.63	-368.94
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-4.33	-7.13	-15.14
Vigo County, IN	SO _x	Maintenance	100	-	-41.60	-68.99	-160.55
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.86	-3.65	-22.52
Warren County, NJ	SO _x	Maintenance	100	-	-1.27	-2.49	-15.17
Warren County, PA	SO _x	Nonattainment	100	-	-1.32	-2.28	-7.66
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-46.02	-77.28	-203.69
Washington, DC-MD-VA	CO	Maintenance	100	-	-50.74	-101.25	-664.88

Appendix B

**Table B.1-20
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-148.12	-307.89	-2,279.35
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-132.62	-281.09	-2,189.60
Washoe County, NV	PM ₁₀	Serious	70	-	-17.08	-30.57	-127.46
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.49	-2.47	-5.73
Wayne County, IN	SO _x	Maintenance	100	-	-21.24	-35.26	-82.77
Wayne County, MI	PM ₁₀	Maintenance	100	-	-58.64	-96.94	-217.29
Weirton, WV	PM ₁₀	Maintenance	100	-	-3.43	-5.66	-12.35
Weirton, WV	SO _x	Maintenance	100	-	-4.89	-8.06	-17.56
Wheeling, WV-OH	Ozone	Maintenance	100	-	-47.12	-78.14	-181.35
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-47.12	-78.14	-181.35
Winston-Salem, NC	CO	Maintenance	100	-	-36.64	-64.37	-240.09
Worcester, MA	CO	Maintenance	100	-	-4.91	-10.78	-91.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	-17.27	-29.21	-82.23
Yakima, WA	CO	Maintenance	100	-	-8.52	-14.41	-40.58
York, PA	Ozone	Maintenance	100	-	-38.84	-68.56	-263.56
York, PA	PM _{2.5}	Nonattainment	100	-	-23.59	-42.52	-184.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-57.43	-99.66	-342.58
Yuma, AZ	PM ₁₀	Moderate	100	-	-16.33	-29.03	-116.46

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.12
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.12	0.18	0.64
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.18	0.64
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.08	0.29
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.29
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	-0.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.57	-0.76	-1.49
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	0.10

Appendix B

Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.02	0.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.09	0.14	0.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.11
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.04	0.16
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.13	0.19	0.68
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.13	0.20	0.71
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.05	0.19

Appendix B

**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.19
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.04	0.14
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Cleveland, OH	CO	Maintenance	100	-	0.02	0.03	0.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.07	0.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.23
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.06
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.05	0.16
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	0.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.12	0.19	0.66
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	0.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	0.08	0.29
Denver-Boulder, CO	CO	Maintenance	100	-	0.05	0.08	0.27
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.06	0.10	0.34
Detroit, MI	CO	Maintenance	100	-	0.03	0.04	0.16
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.08	0.13	0.45
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.08	0.12	0.44

Appendix B

**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.04

Appendix B

**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.05	0.16
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.04	0.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.02	0.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	0.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.69	-0.91	-1.54
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.05	0.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.15
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.05	0.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.11
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.09
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.03	0.04	0.14
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.04	0.14
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.21	0.32	1.29
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.21	0.32	1.29
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.21	0.32	1.29
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.21	0.32	1.29
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.21	0.32	1.29
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	0.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	0.10
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	0.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.05	0.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.03	0.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.05	0.08	0.27
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	0.16
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.14	0.22	0.77
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.27	0.41	1.45
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.27	0.41	1.44
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.04	0.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.08	0.12	0.44
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.12	0.18	0.64
Phoenix, AZ	CO	Maintenance	100	-	0.08	0.12	0.43
Phoenix, AZ	PM ₁₀	Serious	70	-	0.08	0.12	0.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.08	0.12	0.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.06	0.20
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.18
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.05

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Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	0.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.04	0.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	0.10
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.03	0.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.05	0.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	0.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.07	0.25
Sacramento, CA	CO	Maintenance	100	-	0.03	0.04	0.15
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.04	-0.05	-0.09

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Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	0.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.05	0.18
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.07	0.11	0.39
San Diego, CA	Ozone	Former Subpart 1	50	-	0.07	0.11	0.39
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.11	0.17	0.61
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.13	0.19	0.69
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	0.10	0.39
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	0.10	0.39
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	0.10	0.39
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.05	0.08	0.29
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.02	0.09
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	0.02	0.03	0.09
St. Louis, MO-IL	Ozone	Moderate	50	-	0.05	0.08	0.29
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.29

Appendix B

**Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.05
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	0.09
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.04	0.15

Appendix B

Table B.1-21
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.10	0.15	0.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.10	0.14	0.51
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.04
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.09	0.27
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.04	0.12
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.04	0.13
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.28	0.47	1.42
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.28	0.47	1.42
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.02	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.13	0.21	0.63
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.21	0.63
Baton Rouge, LA	Ozone	Moderate	50	-	-0.07	-0.10	-0.10
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.28	-1.90	-3.21
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.07	0.21

Appendix B

Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.07
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.04	0.06	0.18
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.22	0.36	1.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.05	0.14
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.08	0.24
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Charlotte, NC	CO	Maintenance	100	-	0.03	0.05	0.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.11	0.35
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.30	0.49	1.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.31	0.51	1.55
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.14	0.42

Appendix B

**Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.41
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.10	0.32
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Cleveland, OH	CO	Maintenance	100	-	0.04	0.07	0.20
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.11	0.18	0.54
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.17	0.50
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.04	0.14
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.04	0.13
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.05	0.14
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.12	0.36
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.11	0.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.07	0.20
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.05	0.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.30	0.49	1.48
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.06	0.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.13	0.21	0.63
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.20	0.60
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.15	0.25	0.76
Detroit, MI	CO	Maintenance	100	-	0.07	0.11	0.34
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.20	0.32	0.98
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.19	0.32	0.96

Appendix B

Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.03	0.10
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.05
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.04	0.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.03	0.08
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.03	0.09

Appendix B

**Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.04	0.12
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.06	0.17
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.07	0.11	0.35
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.07	0.11	0.34
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.17
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.06	0.19
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.06	0.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.17
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.07	0.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.54	-2.24	-3.31
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.14	0.42
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.11	0.34
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.04	0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.12	0.35
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.08	0.25
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.19
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.03	0.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.03	0.10
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.06	0.10	0.32
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.11	0.32
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.50	0.85	2.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.50	0.85	2.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.50	0.85	2.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.50	0.85	2.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.50	0.85	2.86
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.05	0.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.08	0.24
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.23
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.07	0.21
Memphis, TN	CO	Maintenance	100	-	0.04	0.06	0.19
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.04	0.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.08	0.12	0.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.07	0.39
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.12	0.19	0.59
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.07	0.11	0.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.05	0.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.03	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.33	0.54	1.65
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.63	1.03	3.14
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.62	1.02	3.12
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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**Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.07	0.11	0.33
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.03	0.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.19	0.31	0.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.28	0.45	1.38
Phoenix, AZ	CO	Maintenance	100	-	0.20	0.33	1.00
Phoenix, AZ	PM ₁₀	Serious	70	-	0.21	0.34	1.03
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.21	0.34	1.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.08	0.14	0.42
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.39
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.04	0.12

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.05	0.08	0.24
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.09	0.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.07	0.21
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.09	0.28
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.08	0.12	0.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.09	0.26
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.04	0.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.06	0.09	0.28
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.10	0.32
Sacramento Metro, CA	Ozone	Severe	25	-	0.11	0.19	0.57
Sacramento, CA	CO	Maintenance	100	-	0.07	0.12	0.35
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.08	-0.12	-0.19

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.07	0.22
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.08	0.13	0.39
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.09
San Diego, CA	CO	Maintenance	100	-	0.18	0.29	0.88
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.29	0.88
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.27	0.45	1.36
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.31	0.50	1.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.16	0.27	0.88
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.16	0.27	0.89
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.27	0.88
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.05	0.14
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.13	0.21	0.63
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.03	0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.06	0.19
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.03
St. Louis, MO	CO	Maintenance	100	-	0.04	0.06	0.19
St. Louis, MO-IL	Ozone	Moderate	50	-	0.13	0.21	0.63
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.12	0.20	0.62

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Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.03	0.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.04	0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.04	0.12
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.07	0.21
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	0.10
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.07
Ventura County, CA	Ozone	Serious	50	-	0.03	0.05	0.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.11	0.33

Appendix B

Table B.1-22
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.23	0.38	1.14
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.22	0.37	1.12
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.03	0.09
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.03	0.09
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.04	0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.24	0.31	-0.58
Albuquerque, NM	CO	Maintenance	100	-	0.11	0.14	-0.26
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.11	0.14	-0.27
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.09
Anchorage, AK	CO	Maintenance	100	-	0.03	0.04	-0.07
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.33	1.68	-3.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.33	1.68	-3.16
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Bakersfield, CA	CO	Maintenance	100	-	0.01	-0.02	-0.41
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.58	0.74	-1.38
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.58	0.74	-1.38
Baton Rouge, LA	Ozone	Moderate	50	-	-0.11	-0.23	-0.95
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.24	-5.23	-8.51
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.04	-0.07
Billings, MT	CO	Maintenance	100	-	0.01	0.02	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.19	0.23	-0.44

Appendix B

Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.19	0.23	-0.44
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.06	0.08	-0.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.06	0.08	-0.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.16	0.20	-0.38
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.97	1.23	-2.30
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.13	0.16	-0.30
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.21	0.27	-0.50
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.07	-0.13
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.13
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.06	-0.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.11
Charlotte, NC	CO	Maintenance	100	-	0.15	0.19	-0.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.33	0.41	-0.77
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.10	0.13	-0.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.09	0.12	-0.22
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.37	1.73	-3.24
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.41	1.79	-3.35
Chico, CA	CO	Maintenance	100	-	0.02	0.03	-0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.13
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.37	0.47	-0.89

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.36	0.46	-0.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.32	0.40	-0.75
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.05	0.06	-0.12
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.08
Cleveland, OH	CO	Maintenance	100	-	0.16	0.20	-0.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.47	0.60	-1.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.43	0.55	-1.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.14	0.18	-0.33
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.12	0.15	-0.29
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.29
Columbus, OH	Ozone	Maintenance	100	-	0.34	0.43	-0.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.31	0.40	-0.74
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.20	-0.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.13	0.17	-0.32
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.42	1.80	-3.37
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.15	0.19	-0.36
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.17	-0.31
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.60	0.76	-1.42
Denver-Boulder, CO	CO	Maintenance	100	-	0.57	0.73	-1.36
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.72	0.92	-1.72
Detroit, MI	CO	Maintenance	100	-	0.27	0.34	-0.65
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.87	1.10	-2.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.85	1.08	-2.03

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	-0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.09	0.12	-0.22
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.10
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.06	-0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.05	-0.10
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.06	-0.11
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.14
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.13
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.23
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.05	-0.09
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.07	0.09	-0.16
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.07
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.09	0.11	-0.20

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.12	0.15	-0.28
Grand Rapids, MI	Ozone	Maintenance	100	-	0.16	0.20	-0.38
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.30	0.38	-0.72
Greeley, CO	CO	Maintenance	100	-	0.02	0.03	-0.06
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.06
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.30	0.38	-0.72
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.15	0.19	-0.35
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.16	0.21	-0.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.03	-0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.17	0.21	-0.40
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.19	-0.37
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.19	0.24	-0.46
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.08
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.13
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3.42	-5.88	-13.99
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.13
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.03	0.04	-0.07
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.06	-0.11
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.06	-0.11
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.39	0.49	-0.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.31	0.39	-0.74
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.07
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.03	-0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.22
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.33	0.41	-0.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.04	-0.07
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.02

Appendix B

Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.24	0.30	-0.57
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.18	0.23	-0.43
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.13
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.09	0.11	-0.20
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.20
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.09	0.11	-0.21
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Las Vegas, NV	CO	Serious	100	-	0.32	0.40	-0.75
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.32	0.40	-0.76
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.05
Longmont, CO	CO	Maintenance	100	-	0.02	0.02	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02

Appendix B

**Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.66	3.23	-8.13
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.66	3.23	-8.13
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.66	3.23	-8.13
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.66	3.23	-8.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.66	3.23	-8.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.14	0.18	-0.33
Louisville, KY-IN	Ozone	Maintenance	100	-	0.21	0.26	-0.49
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.25	-0.47
Lowell, MA	CO	Maintenance	100	-	0.02	0.03	-0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.07	-0.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.04	0.05	-0.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.05	0.06	-0.12
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	-0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.04
Marion County, IN	SO _x	Maintenance	100	-	0.06	0.07	-0.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.14
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	0.18	0.23	-0.42
Memphis, TN	CO	Maintenance	100	-	0.16	0.21	-0.39
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.09	0.12	-0.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.34	0.43	-0.80
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.33	0.35	-1.90
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.54	0.69	-1.29
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.07	0.08	-0.16
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.06
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.32	0.41	-0.76
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.14	0.18	-0.34
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.10	-0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.44	1.82	-3.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.78	3.52	-6.61
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.76	3.49	-6.55
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.29	0.37	-0.69
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	-0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.02	-0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.02	-0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.09	-0.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.82	1.04	-1.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.21	1.53	-2.87
Phoenix, AZ	CO	Maintenance	100	-	1.07	1.35	-2.54
Phoenix, AZ	PM ₁₀	Serious	70	-	1.10	1.39	-2.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.10	1.39	-2.61
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.36	0.46	-0.86
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.33	0.42	-0.79
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.11	0.13	-0.25

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**Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.21	0.26	-0.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.28	0.35	-0.67
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.19	0.24	-0.45
Provo, UT	CO	Maintenance	100	-	0.03	0.04	-0.08
Raleigh-Durham, NC	CO	Maintenance	100	-	0.26	0.33	-0.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.36	0.45	-0.85
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.06	0.08	-0.15
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.15
Reno, NV	CO	Maintenance	100	-	0.05	0.06	-0.11
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.23	0.29	-0.54
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.14	0.18	-0.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.11
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.25	0.31	-0.59
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.08
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.32	0.41	-0.76
Sacramento Metro, CA	Ozone	Severe	25	-	0.59	0.74	-1.39
Sacramento, CA	CO	Maintenance	100	-	0.36	0.46	-0.85
Salem, OR	CO	Maintenance	100	-	0.02	0.03	-0.06
Salt Lake City, UT	CO	Maintenance	100	-	-0.20	-0.33	-0.69

Appendix B

Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.04	-0.13	-1.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.20	0.25	-0.47
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.36	0.46	-0.86
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.09	0.11	-0.20
San Diego, CA	CO	Maintenance	100	-	0.87	1.10	-2.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.87	1.10	-2.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.29	1.63	-3.06
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.45	1.84	-3.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.88	1.09	-2.49
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.89	1.10	-2.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.88	1.09	-2.49
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.12	0.16	-0.30
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.59	0.75	-1.40
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.03	-0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.11	-0.20
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.14
Spokane, WA	CO	Maintenance	100	-	0.06	0.07	-0.14
Springfield (western MA), MA	Ozone	Moderate	50	-	0.17	0.21	-0.39
Springfield, MA	CO	Maintenance	100	-	0.03	0.04	-0.07
St. Louis, MO	CO	Maintenance	100	-	0.15	0.19	-0.36
St. Louis, MO-IL	Ozone	Moderate	50	-	0.53	0.67	-1.27
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.53	0.67	-1.26

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.04
Stockton, CA	CO	Maintenance	100	-	0.10	0.13	-0.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.12	-0.22
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Toledo, OH	Ozone	Maintenance	100	-	0.10	0.12	-0.23
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.05
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.20	0.25	-0.47
Utah County, UT	PM ₁₀	Moderate	100	-	0.10	0.12	-0.23
Vancouver, WA	CO	Maintenance	100	-	0.06	0.08	-0.15
Ventura County, CA	Ozone	Serious	50	-	0.17	0.21	-0.44
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.09
Washington, DC-MD-VA	CO	Maintenance	100	-	0.30	0.38	-0.71

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Table B.1-23
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.07	1.36	-2.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.05	1.33	-2.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.05	0.06	-0.11
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.08	0.10	-0.19
Worcester, MA	CO	Maintenance	100	-	0.04	0.06	-0.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.04
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.02
York, PA	Ozone	Maintenance	100	-	0.09	0.11	-0.21
York, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.16
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.11	0.14	-0.26
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.05	-0.09

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.54	0.72	-0.63
Albuquerque, NM	CO	Maintenance	100	-	0.24	0.32	-0.28
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.25	0.33	-0.29
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.13	-0.11
Anchorage, AK	CO	Maintenance	100	-	0.07	0.09	-0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	3.05	4.05	-3.58
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.05	4.05	-3.58
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	-0.02
Bakersfield, CA	CO	Maintenance	100	-	0.10	0.10	-0.51
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.00
Baltimore, MD	Ozone	Moderate	50	-	1.32	1.74	-1.54
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.32	1.74	-1.54
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.15	-1.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-4.32	-7.06	-11.55
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.06	0.08	-0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Billings, MT	CO	Maintenance	100	-	0.03	0.04	-0.04
Birmingham, AL	Ozone	Maintenance	100	-	0.40	0.52	-0.46

Appendix B

Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.40	0.53	-0.47
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.15	0.19	-0.17
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.15	0.19	-0.17
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Boston, MA	CO	Maintenance	100	-	0.35	0.46	-0.41
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.14	2.84	-2.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.29	0.38	-0.34
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.46	0.61	-0.54
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.11	0.15	-0.13
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-0.13
Case County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.13	-0.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.13	-0.11
Charlotte, NC	CO	Maintenance	100	-	0.34	0.45	-0.40
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.74	0.99	-0.87
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.22	0.29	-0.25
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.20	0.27	-0.24
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.07	4.07	-3.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.17	4.21	-3.72
Chico, CA	CO	Maintenance	100	-	0.06	0.08	-0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.18	-0.15
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.83	1.09	-0.97

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.80	1.06	-0.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.76	1.00	-0.89
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.12	0.15	-0.14
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Cleveland, OH	CO	Maintenance	100	-	0.32	0.43	-0.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.01	1.34	-1.18
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.92	1.22	-1.08
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.35	0.46	-0.41
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.28	0.37	-0.33
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.27	0.36	-0.32
Columbus, OH	Ozone	Maintenance	100	-	0.78	1.03	-0.91
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.72	0.96	-0.85
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.32	0.43	-0.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.28	0.37	-0.32
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.33	4.41	-3.90
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.32	0.42	-0.37
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.28	0.37	-0.33
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.39	1.84	-1.63
Denver-Boulder, CO	CO	Maintenance	100	-	1.33	1.76	-1.56
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.68	2.23	-1.97
Detroit, MI	CO	Maintenance	100	-	0.50	0.66	-0.59
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.91	2.53	-2.24
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.87	2.48	-2.20

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Duluth, MN	CO	Maintenance	100	-	0.03	0.04	-0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.08	0.10	-0.09
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.21	0.28	-0.25
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.09	0.12	-0.10
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.13	-0.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.10	0.13	-0.11
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.14	-0.12
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.17	-0.15
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.20	0.27	-0.24
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.09	0.11	-0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.15	0.20	-0.18
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.21	0.27	-0.24

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**Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Fresno, CA	CO	Maintenance	100	-	0.27	0.36	-0.32
Grand Rapids, MI	Ozone	Maintenance	100	-	0.36	0.48	-0.43
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.65	0.86	-0.76
Greeley, CO	CO	Maintenance	100	-	0.06	0.07	-0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.07	-0.06
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.65	0.87	-0.77
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.32	0.42	-0.37
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.35	0.46	-0.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.06	-0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.38	0.50	-0.44
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.46	-0.41
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.41	0.54	-0.48
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.08
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.11	0.15	-0.13
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3.62	-6.62	-18.44
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-0.13
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.06	0.08	-0.07
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.14	-0.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.14	-0.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.88	1.17	-1.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.70	0.93	-0.82
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.07
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.07	-0.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.08	0.11	-0.10
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.20	0.27	-0.23
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.74	0.98	-0.86
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.08	-0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.02

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.56	0.74	-0.65
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.42	0.56	-0.49
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.11	0.15	-0.13
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.05	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.19	0.25	-0.23
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.25	-0.23
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.20	0.26	-0.23
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.04
Las Vegas, NV	CO	Serious	100	-	0.76	1.00	-0.89
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.76	1.01	-0.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.04	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.04	0.06	-0.05
Longmont, CO	CO	Maintenance	100	-	0.05	0.06	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.02

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**Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	6.44	8.40	-9.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	6.44	8.40	-9.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	6.44	8.40	-9.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	6.44	8.40	-9.43
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	6.44	8.40	-9.43
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.32	0.43	-0.38
Louisville, KY-IN	Ozone	Maintenance	100	-	0.44	0.59	-0.52
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.42	0.56	-0.50
Lowell, MA	CO	Maintenance	100	-	0.05	0.07	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.11	0.14	-0.13
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.07	0.10	-0.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.10	-0.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.12	0.16	-0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.05
Marion County, IN	SO _x	Maintenance	100	-	0.12	0.15	-0.14
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.16
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Medford, OR	CO	Maintenance	100	-	0.04	0.05	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.13	-0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	0.37	0.49	-0.44
Memphis, TN	CO	Maintenance	100	-	0.34	0.46	-0.40
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.02

Appendix B

Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.20	0.27	-0.24
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.75	0.99	-0.88
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.96	1.18	-2.25
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.23	1.62	-1.44
Missoula, MT	CO	Maintenance	100	-	0.03	0.04	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.03	-0.03
Modesto, CA	CO	Maintenance	100	-	0.16	0.21	-0.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Nashua, NH	CO	Maintenance	100	-	0.02	0.03	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.73	0.97	-0.86
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.08	0.11	-0.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.30	0.40	-0.36
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.16	0.22	-0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.11	4.13	-3.65
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.09	8.08	-7.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.04	8.01	-7.09
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.02

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.64	0.84	-0.75
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	-0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.07	-0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.07
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.05	-0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	0.06	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.14	0.18	-0.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.77	2.35	-2.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.63	3.49	-3.09
Phoenix, AZ	CO	Maintenance	100	-	2.69	3.57	-3.16
Phoenix, AZ	PM ₁₀	Serious	70	-	2.76	3.66	-3.24
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.77	3.67	-3.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.77	1.02	-0.90
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.70	0.93	-0.82
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.23	0.31	-0.27

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.46	0.61	-0.57
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.66	0.87	-0.77
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.42	0.56	-0.50
Provo, UT	CO	Maintenance	100	-	0.08	0.10	-0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.61	0.81	-0.72
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.83	1.10	-0.97
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.13	0.18	-0.16
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.16
Reno, NV	CO	Maintenance	100	-	0.10	0.13	-0.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.50	0.66	-0.59
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.03	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.35	0.46	-0.41
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.10	0.13	-0.12
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.05	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.54	0.72	-0.64
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	0.09	-0.08
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.78	1.03	-0.91
Sacramento Metro, CA	Ozone	Severe	25	-	1.44	1.91	-1.69
Sacramento, CA	CO	Maintenance	100	-	0.87	1.16	-1.03
Salem, OR	CO	Maintenance	100	-	0.05	0.07	-0.06
Salt Lake City, UT	CO	Maintenance	100	-	-0.23	-0.39	-0.92

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.13	0.07	-1.34
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.45	0.59	-0.52
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.83	1.10	-0.97
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.19	0.26	-0.23
San Diego, CA	CO	Maintenance	100	-	2.08	2.76	-2.44
San Diego, CA	Ozone	Former Subpart 1	50	-	2.08	2.77	-2.45
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.99	3.96	-3.51
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.35	4.45	-3.93
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.22	2.91	-3.00
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.22	2.92	-3.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.22	2.91	-3.00
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.27	0.36	-0.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.34	1.78	-1.58
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.07	-0.06
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.18	0.24	-0.21
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.13	0.18	-0.16
Spokane, WA	CO	Maintenance	100	-	0.13	0.17	-0.15
Springfield (western MA), MA	Ozone	Moderate	50	-	0.36	0.48	-0.42
Springfield, MA	CO	Maintenance	100	-	0.06	0.08	-0.07
St. Louis, MO	CO	Maintenance	100	-	0.30	0.40	-0.35
St. Louis, MO-IL	Ozone	Moderate	50	-	1.13	1.49	-1.32
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.12	1.48	-1.31

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.09
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.04
Stockton, CA	CO	Maintenance	100	-	0.25	0.33	-0.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.20	0.26	-0.23
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Toledo, OH	Ozone	Maintenance	100	-	0.21	0.28	-0.24
Toms River, NJ	CO	Maintenance	100	-	0.05	0.07	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.06	-0.05
Trenton, NJ	CO	Maintenance	100	-	0.04	0.05	-0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.46	0.61	-0.54
Utah County, UT	PM ₁₀	Moderate	100	-	0.22	0.30	-0.26
Vancouver, WA	CO	Maintenance	100	-	0.15	0.20	-0.18
Ventura County, CA	Ozone	Serious	50	-	0.42	0.55	-0.52
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.06	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.08	0.11	-0.10
Washington, DC-MD-VA	CO	Maintenance	100	-	0.69	0.91	-0.81

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Table B.1-24
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.46	3.26	-2.89
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.40	3.19	-2.82
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.13	-0.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.05	0.07	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.17	0.23	-0.20
Worcester, MA	CO	Maintenance	100	-	0.10	0.14	-0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.05
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	-0.02
York, PA	Ozone	Maintenance	100	-	0.19	0.26	-0.23
York, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.20	-0.18
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.22	0.30	-0.26
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.12	-0.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	-	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Albuquerque, NM	CO	Maintenance	100	-	-	-	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	-	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	-	0.01
Altoona, PA	Ozone	Maintenance	100	-	-	-	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Anchorage, AK	CO	Maintenance	100	-	-	-	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	-	-	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	-	0.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.08
Atlantic City, NJ	CO	Maintenance	100	-	-	-	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	-	-	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	-	0.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.04
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.01	-0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.07	-0.09	-0.17
Benton County, TN	SO _x	Maintenance	100	-	-	-	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	-	0.00
Benzie County, MI	Ozone	Maintenance	100	-	-	-	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	-	0.00
Billings, MT	CO	Maintenance	100	-	-	-	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	-0.00	0.01

Appendix B

Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	-	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	-	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	-	0.00
Boston, MA	CO	Maintenance	100	-	-	-	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	-	0.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	-	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	-	-	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	-	0.01
Burlington, NJ	CO	Maintenance	100	-	-	-	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	-	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Case County, MI	Ozone	Maintenance	100	-	-	-	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	-	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	-	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	-	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Charlotte, NC	CO	Maintenance	100	-	-	-	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	-	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	-	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	-	0.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.09
Chico, CA	CO	Maintenance	100	-	-	-	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	-	0.02

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**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	-	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	-	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	-	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	-	0.00
Cleveland, OH	CO	Maintenance	100	-	-	-	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	-	0.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	-	0.01
Colbert County, AL	SO _x	Maintenance	100	-	-	-	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	-	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	-	0.01
Columbus, OH	Ozone	Maintenance	100	-	-	-	0.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	-	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	-	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	-	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	-	0.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	-	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	-	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	-	-	0.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	-	0.04
Detroit, MI	CO	Maintenance	100	-	-	-	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	-	0.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	-	0.06

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**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Duluth, MN	CO	Maintenance	100	-	-	-	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	-	0.00
East Chicago, IN	CO	Maintenance	100	-	-	-	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	-	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	-	0.01
El Paso, TX	CO	Maintenance	100	-	-	-	0.00
Erie, PA	Ozone	Maintenance	100	-	-	-	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	-	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Evansville, IN	Ozone	Maintenance	100	-	-	-	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Fairbanks, AK	CO	Maintenance	100	-	-	-	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	-	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Flint, MI	Ozone	Maintenance	100	-	-	-	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	-	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	-	0.00
Franklin County, PA	Ozone	Maintenance	100	-	-	-	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	-	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	-	-	0.00

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Table B.1-25
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Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	-	0.00
Fresno, CA	CO	Maintenance	100	-	-	-	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	-	-	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	-	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	-	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Great Falls, MT	CO	Maintenance	100	-	-	-	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	-	0.02
Greeley, CO	CO	Maintenance	100	-	-	-	0.00
Green Bay, WI	SO _x	Maintenance	100	-	-	-	0.00
Greene County, IN	Ozone	Maintenance	100	-	-	-	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	-	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	-	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	-	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	-	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	-	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	-	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	-	0.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	-	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	-	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	-	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	-	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	-	-	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.09	-0.12	-0.17
Humphreys County, TN	SO _x	Maintenance	100	-	-	-	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	-	0.00
Huron County, MI	Ozone	Maintenance	100	-	-	-	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	-	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	-	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	-	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	-	0.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Jackson County, IN	Ozone	Maintenance	100	-	-	-	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Jefferson County, NY	Ozone	Moderate	50	-	-	-	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	-	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	-	0.00
Johnstown, PA	Ozone	Maintenance	100	-	-	-	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	-	-	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	-	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	-	0.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	-	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	-	-	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	-	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	-	0.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	-	0.01
La Porte County, IN	SO _x	Maintenance	100	-	-	-	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	-	0.00
Lake County, OH	SO _x	Maintenance	100	-	-	-	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	-	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	-	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	-	0.01
LaPorte, IN	Ozone	Maintenance	100	-	-	-	0.00
Las Vegas, NV	CO	Serious	100	-	-	-	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	-	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	-	-	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	-	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Lima, OH	Ozone	Maintenance	100	-	-	-	0.00
Longmont, CO	CO	Maintenance	100	-	-	-	0.00
Lorain County, OH	SO _x	Maintenance	100	-	-	-	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.01	-0.01	0.16
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.01	-0.01	0.16
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.01	-0.01	0.16
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	0.16
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	0.16
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-	-	0.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Lowell, MA	CO	Maintenance	100	-	-	-	0.00
Lucas County, OH	SO _x	Maintenance	100	-	-	-	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Macon, GA	Ozone	Maintenance	100	-	-	-	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	-	0.00
Madison, WI	SO _x	Maintenance	100	-	-	-	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Manchester, NH	CO	Maintenance	100	-	-	-	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Marion County, IN	SO _x	Maintenance	100	-	-	-	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Mason County, MI	Ozone	Maintenance	100	-	-	-	0.00
Medford, OR	CO	Maintenance	100	-	-	-	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-	-	0.01
Memphis, TN	CO	Maintenance	100	-	-	-	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	-	0.00

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**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	-	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	-	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	-	0.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	-0.01	0.02
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	-	0.03
Missoula, MT	CO	Maintenance	100	-	-	-	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Modesto, CA	CO	Maintenance	100	-	-	-	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Morristown, NJ	CO	Maintenance	100	-	-	-	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	-	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	-	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	-	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	-	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	-	0.00
Nashua, NH	CO	Maintenance	100	-	-	-	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	-	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	-	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	-	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	-	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	-	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	-	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	-	0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	-	0.18
Nogales, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	-	0.02
Ogden, UT	CO	Maintenance	100	-	-	-	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	-	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	-	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	-	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	-	-	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	-	0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	-	0.05
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	-	0.08
Phoenix, AZ	CO	Maintenance	100	-	-	-	0.05
Phoenix, AZ	PM ₁₀	Serious	70	-	-	-	0.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	-	0.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	-	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	-	0.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Polk County, TN	SO _x	Maintenance	100	-	-	-	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Portland, ME	Ozone	Maintenance	100	-	-	-	0.01

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**Table B.1-25
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Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	-0.00	0.01
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	-	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	-	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	-	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	-	0.01
Provo, UT	CO	Maintenance	100	-	-	-	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	-	-	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	-	0.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Reading, PA	Ozone	Maintenance	100	-	-	-	0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Reno, NV	CO	Maintenance	100	-	-	-	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	-	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	-	0.01
Rillito, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	-	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	-	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-	-	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	-	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	-	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	-	-	0.03
Sacramento, CA	CO	Maintenance	100	-	-	-	0.02
Salem, OR	CO	Maintenance	100	-	-	-	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.01

Appendix B

**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	-	0.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	-	0.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
San Diego, CA	CO	Maintenance	100	-	-	-	0.05
San Diego, CA	Ozone	Former Subpart 1	50	-	-	-	0.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	-	0.08
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	-	0.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	-0.00	0.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	-	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	-	0.04
Sheboygan, WI	Ozone	Moderate	50	-	-	-	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-	-	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Somerville, NJ	CO	Maintenance	100	-	-	-	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	-	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.00
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	-	-	0.01
Springfield, MA	CO	Maintenance	100	-	-	-	0.00
St. Louis, MO	CO	Maintenance	100	-	-	-	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	-	-	0.04
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	-	0.04

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Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	-	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Stockton, CA	CO	Maintenance	100	-	-	-	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Syracuse, NY	CO	Maintenance	100	-	-	-	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	-	0.00
Tioga County, PA	Ozone	Maintenance	100	-	-	-	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	-	0.01
Toms River, NJ	CO	Maintenance	100	-	-	-	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	-	-	0.00
Trenton, NJ	CO	Maintenance	100	-	-	-	0.00
Trona, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Tucson, AZ	CO	Maintenance	100	-	-	-	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	-	-	0.01
Vancouver, WA	CO	Maintenance	100	-	-	-	0.00
Ventura County, CA	Ozone	Serious	50	-	-0.00	-0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Waltham, MA	CO	Maintenance	100	-	-	-	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	-	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	-	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	-	-	0.02

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**Table B.1-25
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	-	0.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	-	0.06
Washoe County, NV	PM ₁₀	Serious	70	-	-	-	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Winston-Salem, NC	CO	Maintenance	100	-	-	-	0.00
Worcester, MA	CO	Maintenance	100	-	-	-	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Yakima, WA	CO	Maintenance	100	-	-	-	0.00
York, PA	Ozone	Maintenance	100	-	-	-	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	-	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Albuquerque, NM	CO	Maintenance	100	-	-	0.00	0.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.02	0.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.37
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.01
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.01	0.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.16
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.15	-0.22	-0.36
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.01
Billings, MT	CO	Maintenance	100	-	-	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.00	0.06

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Boston, MA	CO	Maintenance	100	-	-	0.00	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.02	0.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.00	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	-	0.00	0.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.00	0.09
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.02	0.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.40
Chico, CA	CO	Maintenance	100	-	-	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.01	0.11

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.00	0.08
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	-	0.00	0.05
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.01	0.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.13
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.03
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	0.00	0.03
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.04
Columbus, OH	Ozone	Maintenance	100	-	-	0.01	0.09
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.08
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.00	0.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.02	0.38
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.00	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.16
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.01	0.16
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.01	0.20
Detroit, MI	CO	Maintenance	100	-	-	0.00	0.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.01	0.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.01	0.25

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.02

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	-	0.00	0.03
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.00	0.04
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.00	0.09
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.00	0.09
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.04
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.00	0.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.21	-0.29	-0.22
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.01	0.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.09
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.01	0.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.00

Appendix B

Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	-	0.00	0.08
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.02	0.02	0.79
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.02	0.02	0.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.02	0.02	0.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.02	0.02	0.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.02	0.02	0.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.00	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.00	0.06
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.06
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Medford, OR	CO	Maintenance	100	-	-	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.00	0.05
Memphis, TN	CO	Maintenance	100	-	-	0.00	0.05
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.01	0.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.01	0.13
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.01	0.15
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.09
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.00	0.04
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.00	0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.02	0.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.04	0.81
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.04	0.80
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.00	0.09
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.01	0.24
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.02	0.35
Phoenix, AZ	CO	Maintenance	100	-	-	0.01	0.26
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.01	0.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.01	0.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.01	0.11
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.10
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.00	0.03

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.00	0.06
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.00	0.07
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.00	0.05
Provo, UT	CO	Maintenance	100	-	-	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.00	0.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.01	0.10
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Reno, NV	CO	Maintenance	100	-	-	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.00	0.07
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.00	0.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.00	0.08
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.01	0.15
Sacramento, CA	CO	Maintenance	100	-	-	0.01	0.09
Salem, OR	CO	Maintenance	100	-	-	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.02	-0.02

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Table B.1-26							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.00	0.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.01	0.10
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.02
San Diego, CA	CO	Maintenance	100	-	-	0.01	0.23
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.02	0.35
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.02	0.39
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.01	0.24
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.24
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.24
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.01	0.16
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	-0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.00	0.05
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	-	0.00	0.05
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.01	0.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.01	0.16

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**Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	-	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.00	0.05
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.00	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.00	0.09

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Table B.1-26
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.02	0.29
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.29
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.02
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.00
York, PA	Ozone	Maintenance	100	-	-	0.00	0.02
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.00	0.03
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.28
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.13
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.10	1.54
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	1.54
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.08
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.05	0.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.67
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.04	0.08
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.38	-0.62	-0.89
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.21

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.21
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.07
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.18
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.08	1.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.15
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.25
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.17
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.03	0.38
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.11	1.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.11	1.63
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.43

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.42
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.36
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.04	0.54
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.50
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.16
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.14
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	0.39
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.36
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.07	0.11	1.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.15
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.69
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.04	0.66
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.06	0.84
Detroit, MI	CO	Maintenance	100	-	0.01	0.02	0.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.07	1.00
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.99

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.05
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.10

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.14
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.02	0.35
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.02	0.35
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.17
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.19
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.18
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	0.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.48	-0.76	-0.06
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.03	0.45
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.36
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	0.38
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.21
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.10
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.01	0.02	0.36
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.02	0.37
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.10	0.17	3.39
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.10	0.17	3.39
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.10	0.17	3.39
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.10	0.17	3.39
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.17	3.39
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.16
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	0.24
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.23
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.21
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.19
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	0.39
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	0.00	0.58
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.04	0.63
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.37
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.16
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.11	1.67
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.22	3.22
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.22	3.19
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.02	0.34
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.95
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.09	1.40
Phoenix, AZ	CO	Maintenance	100	-	0.05	0.08	1.23
Phoenix, AZ	PM ₁₀	Serious	70	-	0.05	0.09	1.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.05	0.09	1.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.42
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.38
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.01	0.12

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	0.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.22
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	0.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	0.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.26
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.16
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.29
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.37
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.05	0.68
Sacramento, CA	CO	Maintenance	100	-	0.02	0.03	0.42
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.04	-0.02

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.03	0.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.23
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	0.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
San Diego, CA	CO	Maintenance	100	-	0.04	0.07	1.01
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.07	1.01
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.06	0.10	1.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.07	0.11	1.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.06	1.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.06	1.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	1.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.14
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.05	0.68
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.19
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.03
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.18
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	0.04	0.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.61

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.12
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.11
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	0.23
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.07
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.20
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.02	0.35

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Table B.1-27
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.08	1.24
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	1.21
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.09
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-28
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	0.44
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.15	0.21	2.50
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.15	0.21	2.50
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.14
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.06	0.09	1.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.09	1.08
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.04	0.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.52	-0.84	-1.21
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.05
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	0.32

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Table B.1-28							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1							
Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.33
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.02	0.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.10	0.15	1.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.23
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.37
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.05	0.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.15	0.21	2.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.22	2.60
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.06	0.68

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Table B.1-28
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.65
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.05	0.62
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.06
Cleveland, OH	CO	Maintenance	100	-	0.02	0.02	0.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.07	0.83
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.76
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	0.28
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.22
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.05	0.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.02	0.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.23
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.16	0.23	2.73
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	0.26
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.10	1.14
Denver-Boulder, CO	CO	Maintenance	100	-	0.06	0.09	1.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.08	0.12	1.38
Detroit, MI	CO	Maintenance	100	-	0.02	0.03	0.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.09	0.13	1.56
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.09	0.13	1.53

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.17
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.17

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.23
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	0.30
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.04	0.53
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.05	0.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.26
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.03	0.31
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.29
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	0.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.59	-0.99	0.22
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.06	0.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.57
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.16
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.05	0.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	0.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.34
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.16
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.04	0.05	0.62
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.05	0.63
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.28	0.39	5.54
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.28	0.39	5.54
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.28	0.39	5.54
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.28	0.39	5.54
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.28	0.39	5.54
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	0.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	0.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.35
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	0.30
Memphis, TN	CO	Maintenance	100	-	0.02	0.02	0.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.05	0.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.03	0.94
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.06	0.09	1.00
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.13
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.05	0.60
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.15	0.22	2.55
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.30	0.42	4.99
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.29	0.42	4.95
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.04	0.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.11
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.09	0.12	1.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.13	0.18	2.15
Phoenix, AZ	CO	Maintenance	100	-	0.13	0.19	2.21
Phoenix, AZ	PM ₁₀	Serious	70	-	0.13	0.19	2.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.13	0.19	2.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.63
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.57
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.19

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	0.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.05	0.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	0.35
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.04	0.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.06	0.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.03	0.41
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	0.28
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	0.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.05	0.64
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.10	1.18
Sacramento, CA	CO	Maintenance	100	-	0.04	0.06	0.72
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.05	-0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.03	0.27
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	0.37
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.06	0.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
San Diego, CA	CO	Maintenance	100	-	0.10	0.14	1.70
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.14	1.71
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.15	0.21	2.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.16	0.23	2.75
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.10	0.14	1.87
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.14	1.88
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.14	1.87
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.09	1.10
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.30
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.05
St. Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.25
St. Louis, MO-IL	Ozone	Moderate	50	-	0.05	0.08	0.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.92

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.20
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.17
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	0.38
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.18
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.13
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	0.35
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.05	0.56

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.12	0.17	2.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.12	0.17	1.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.14
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.16
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.10	-0.13	-0.44
Albuquerque, NM	CO	Maintenance	100	-	-0.00	-0.00	-0.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Anchorage, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.12
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.04	0.05	-0.75
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.75
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	-0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.10	-0.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.10	-0.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.19
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.02	-0.10
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	-0.12

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.03	-0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.03	-0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.14	0.19	-0.27
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	-0.03
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.11
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.05
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	-0.06
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	-0.00	-0.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.15
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.14	0.18	-0.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.18	-0.57
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.22

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.21
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.03	-0.12
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Cleveland, OH	CO	Maintenance	100	-	-0.00	-0.00	-0.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.26
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.03
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.02	-0.12
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.18
Columbus, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.08	0.10	-0.68
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.17
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.09	-0.17
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.29
Detroit, MI	CO	Maintenance	100	-	-0.01	-0.01	-0.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.62

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.07
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.03	-0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.09
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.07
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.11
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	-0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.04	-0.13
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.01	-0.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.07	-0.27
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	-0.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-0.21	-1.17
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	-0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.29
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.22
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.02	-0.08
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.08	-0.11	-0.45
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.06	-0.08	-0.32
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.05	-0.07	-0.26
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Las Vegas, NV	CO	Serious	100	-	0.03	0.03	-0.12
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.12
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.29	0.39	-1.14
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.29	0.39	-1.14
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.29	0.39	-1.14
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.29	0.39	-1.14
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.29	0.39	-1.14
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	-0.05
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	-0.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.13
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.08
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	-0.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.02	-0.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.06	-0.09	-0.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.06	-0.08	-0.54
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	-0.06
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.70	-0.93	-2.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.23	-1.65	-4.54
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.11	-1.48	-5.11
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.09	-1.46	-5.04
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.03	-0.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.58
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.05	0.06	-0.72
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.13	-0.29
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	0.14	-0.30
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.31
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.29
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.24
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	-0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.00	-0.15
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	-0.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	-0.00	-0.13
Provo, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.03	-0.11
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.03	-0.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.04
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.02	-0.11
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	-0.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.03
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.10
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.06	-0.21
Sacramento, CA	CO	Maintenance	100	-	0.03	0.05	-0.11
Salem, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.02

Appendix B

Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.06	-0.08	-0.41
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
San Diego, CA	CO	Maintenance	100	-	0.11	0.14	-0.22
San Diego, CA	Ozone	Former Subpart 1	50	-	0.11	0.14	-0.22
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.12	0.16	-0.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.15	0.19	-0.52
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.05	-0.47
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.48
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.47
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.08	-0.11	-0.62
Sheboygan, WI	Ozone	Moderate	50	-	-0.00	-0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.07
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.01	-0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	-0.05
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	-0.01
St. Louis, MO	CO	Maintenance	100	-	-0.02	-0.02	-0.17
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.00	-0.01	-0.40
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.40

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	-0.09
Utah County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Vancouver, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	-0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.05	-0.09

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Table B.1-29
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.12	0.16	-0.35
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.12	0.16	-0.33
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.05
Winston-Salem, NC	CO	Maintenance	100	-	-0.00	-0.00	-0.06
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.21	-0.32	-1.75
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.00	-0.53
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.15
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.46
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.10
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.11
Anchorage, AK	CO	Maintenance	100	-	-0.08	-0.11	-0.35
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.18	-5.55
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.18	-5.56
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.40
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.19	0.26	-2.12
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.19	0.26	-2.12
Baton Rouge, LA	Ozone	Moderate	50	-	-0.07	-0.11	-0.85
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.03	-0.05	-0.45
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.02	-0.02	-0.21
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Billings, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	-0.84

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.84
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.04	-0.06	-0.41
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.41
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.06	0.08	-0.59
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.36	0.50	-3.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.06	-0.45
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.92
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.28
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.28
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.22
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.22
Charlotte, NC	CO	Maintenance	100	-	0.03	0.05	-0.56
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.01	-1.43
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.06	-0.09	-0.66
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.05	-0.08	-0.61
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.38	0.50	-5.24
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.37	0.50	-5.46
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.09
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.20
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.06	-1.63

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-1.57
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.10	-1.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.07	-0.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.22
Cleveland, OH	CO	Maintenance	100	-	0.00	-0.00	-0.83
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.08	-2.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-1.95
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	0.07	-0.43
Colbert County, AL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.07
Colorado Springs, CO	CO	Maintenance	100	-	-0.02	-0.04	-0.60
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.07	-0.11	-0.78
Columbus, OH	Ozone	Maintenance	100	-	0.00	-0.01	-1.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-1.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.83
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.68
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.25	0.31	-5.54
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.73
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.64
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.20	0.27	-2.10
Denver-Boulder, CO	CO	Maintenance	100	-	0.19	0.26	-2.02
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.17	0.23	-2.73
Detroit, MI	CO	Maintenance	100	-	-0.00	-0.02	-1.44
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	-0.02	-4.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-4.01

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.01	-0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.16
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.44
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.19
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.05	-0.07	-0.34
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.33
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.24
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.34
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.23
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.44
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.17
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.05	-0.07	-0.46
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.20
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.37

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.03	0.04	-0.43
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.73
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.05
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.11	-1.24
Greeley, CO	CO	Maintenance	100	-	-0.01	-0.01	-0.14
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.03	-1.36
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.63
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.12	-0.18	-1.14
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.62
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.08	-0.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.15
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.26
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.29	-0.48	-5.91
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.07	-0.40
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.04	-0.22
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-1.82
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-1.42
Jackson County, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.09
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.14
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.06	-0.31
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.10
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.12
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.02	-0.03	-0.50
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.16	-0.26	-1.98
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.08

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.12	-0.18	-1.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.10	-0.16	-1.12
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.23
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.33
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.33
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.37
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.13
Las Vegas, NV	CO	Serious	100	-	0.07	0.10	-1.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.10	-1.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.02	-0.02	-0.14
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.04

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.81	1.09	-11.33
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.81	1.09	-11.33
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.81	1.09	-11.33
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.81	1.09	-11.33
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.81	1.09	-11.33
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.05	-0.51
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	-0.94
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.92
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.25
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	-0.03	-0.04	-0.27
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.27
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.21
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.08
Marion County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.37
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.15
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.02	-0.04	-0.95
Memphis, TN	CO	Maintenance	100	-	0.02	0.02	-0.77
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.44
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.06	-1.45
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.12	-0.20	-2.93
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.11	-0.19	-2.85
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.11
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.11
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.26
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.03	-0.04	-0.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.14
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.04	-1.37
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.05	-0.59
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.55	-2.32	-4.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.69	-4.07	-14.90
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.35	-3.62	-20.21
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.31	-3.57	-19.99
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.07	-1.24
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.16
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.17
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.03	-0.28
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-3.84
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.16	0.19	-5.37
Phoenix, AZ	CO	Maintenance	100	-	0.29	0.40	-3.38
Phoenix, AZ	PM ₁₀	Serious	70	-	0.30	0.41	-3.48
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.30	0.41	-3.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-1.80
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-1.60
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.04	-0.41

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.01	-0.99
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.06	-1.09
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.00	-0.86
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.14
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.08	-0.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.10	-1.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.28
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.28
Reno, NV	CO	Maintenance	100	-	0.01	0.02	-0.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.06	-0.96
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	0.07	-0.43
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.25
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.06	-1.06
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.18
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.14
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.09	0.12	-1.08
Sacramento Metro, CA	Ozone	Severe	25	-	0.13	0.17	-2.03
Sacramento, CA	CO	Maintenance	100	-	0.10	0.13	-1.21
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.12
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.17

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Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.83
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	-0.83
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.12	-0.19	-2.01
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.30
San Diego, CA	CO	Maintenance	100	-	0.29	0.39	-2.89
San Diego, CA	Ozone	Former Subpart 1	50	-	0.29	0.39	-2.89
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.34	0.46	-4.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.40	0.54	-5.33
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.13	0.16	-3.69
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.13	0.16	-3.71
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.13	0.16	-3.69
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.58
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.15	-0.25	-3.12
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.11
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.32
Spokane, WA	CO	Maintenance	100	-	-0.02	-0.03	-0.32
Springfield (western MA), MA	Ozone	Moderate	50	-	0.06	0.08	-0.62
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.10
St. Louis, MO	CO	Maintenance	100	-	-0.03	-0.05	-0.91
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	-0.00	-2.61
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-2.60

Appendix B

Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	-0.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.14
Stockton, CA	CO	Maintenance	100	-	0.02	0.02	-0.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.02	-0.04	-0.53
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.18
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.46
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.13
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.05	-0.77
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.42
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.28
Ventura County, CA	Ozone	Serious	50	-	0.06	0.08	-0.59
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.18
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.25
Washington, DC-MD-VA	CO	Maintenance	100	-	0.10	0.14	-1.11

Appendix B

**Table B.1-30
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.33	0.45	-3.88
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.33	0.45	-3.77
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	-0.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.03	-0.20
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.20
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.00	-0.37
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.05
York, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.39
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.29
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	-0.54
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.26	-0.72	-11.56
Albuquerque, NM	CO	Maintenance	100	-	0.12	0.06	-4.55
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	-0.01	-1.26
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.19	0.16	-4.42
Altoona, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.76
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.08	-1.46
Anchorage, AK	CO	Maintenance	100	-	-0.15	-0.28	-1.73
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Atlanta, GA	Ozone	Moderate	50	-	1.89	1.44	-53.29
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.89	1.44	-53.31
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.02	-0.36
Bakersfield, CA	CO	Maintenance	100	-	0.10	0.05	-3.64
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.07
Baltimore, MD	Ozone	Moderate	50	-	1.13	1.12	-22.43
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.13	1.12	-22.43
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.22	-6.11
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.10	-3.20
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.05	-1.40
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.04	-1.27
Billings, MT	CO	Maintenance	100	-	-0.01	-0.04	-0.64
Birmingham, AL	Ozone	Maintenance	100	-	0.25	0.18	-7.46

Appendix B

Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.25	0.18	-7.49
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.03	-0.13	-2.94
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.03	-0.13	-2.94
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.17
Boston, MA	CO	Maintenance	100	-	0.32	0.32	-6.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.96	1.98	-37.11
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.26	0.26	-4.85
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	-0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.32	0.26	-8.45
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.22
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	-0.00	-2.23
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.00	-2.23
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.35
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.05	-1.93
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.05	-1.93
Charlotte, NC	CO	Maintenance	100	-	0.25	0.23	-5.77
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.40	0.26	-13.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.05	-0.20	-4.60
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.04	-0.18	-4.22
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.44	2.28	-53.24
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.49	2.30	-55.16
Chico, CA	CO	Maintenance	100	-	0.04	0.03	-0.97
Chico, CA	Ozone	Former Subpart 1	50	-	0.09	0.08	-2.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.52	0.38	-15.01

Appendix B

**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.51	0.39	-14.51
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	0.56	0.52	-12.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.06	-0.15	-2.44
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.07	-1.52
Cleveland, OH	CO	Maintenance	100	-	0.16	0.06	-6.62
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.65	0.48	-18.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.60	0.44	-17.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.30	0.31	-5.33
Colbert County, AL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.47
Colorado Springs, CO	CO	Maintenance	100	-	0.07	-0.03	-5.10
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.22	-5.58
Columbus, OH	Ozone	Maintenance	100	-	0.38	0.21	-13.76
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.38	0.23	-12.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.06	-6.62
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.13	0.05	-5.51
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.26	1.93	-56.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.17	0.09	-6.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.08	-5.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.18	1.18	-23.06
Denver-Boulder, CO	CO	Maintenance	100	-	1.13	1.12	-22.07
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.25	1.15	-28.34
Detroit, MI	CO	Maintenance	100	-	0.26	0.10	-11.27
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.95	0.48	-35.69
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.95	0.50	-34.95

Appendix B

**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.28
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.26
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.21
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.03	-0.66
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.06	0.05	-1.45
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.10	0.05	-3.89
El Paso, TX	CO	Maintenance	100	-	0.01	0.00	-0.24
Erie, PA	Ozone	Maintenance	100	-	0.05	0.04	-1.66
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.07	-0.17	-2.20
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.07	-0.17	-2.11
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.00	-1.97
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.04	-2.59
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.25
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.09	0.08	-2.19
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.07
Flint, MI	Ozone	Maintenance	100	-	0.12	0.08	-3.85
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.00	-1.52
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.04	-0.15	-3.18
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.04	-1.31
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.05	-0.11	-1.24
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.06	-3.52

Appendix B

Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.14
Fresno, CA	CO	Maintenance	100	-	0.22	0.21	-4.62
Grand Rapids, MI	Ozone	Maintenance	100	-	0.17	0.08	-6.56
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.27
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.32
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	0.51	0.46	-11.82
Greeley, CO	CO	Maintenance	100	-	0.01	-0.02	-1.07
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.01	-0.97
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.41
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.40
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.39	0.27	-12.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.23	0.19	-5.86
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.13	-0.40	-7.60
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.02	-0.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.27	0.24	-6.59
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.21	-6.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.35	0.33	-7.48
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.32
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.00	-0.31
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-1.29
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.06	0.03	-2.18
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.46	-0.59	-47.28
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.06	-0.16	-2.56
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.04	-0.09	-1.36
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.23
Imperial County, CA	Ozone	Moderate	50	-	0.08	0.07	-1.79
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	0.07	-1.75
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.25
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.41	0.19	-16.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.34	0.18	-12.70
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.65
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.01	-1.18
Jefferson County, NY	Ozone	Moderate	50	-	0.04	0.03	-0.90
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.06	-0.15	-1.92
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.71
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.80
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.06	-0.02	-3.94
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.29
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.06	-0.49	-14.59
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.07	-1.06
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.22
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.63
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.04	-0.46

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Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.46
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.33	-10.68
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.05	-0.31	-8.24
La Porte County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.15
Lake County, IN	SO _x	Maintenance	100	-	0.09	0.08	-2.12
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.26
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.03	-0.57
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.16	0.15	-3.34
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.15	-3.34
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.15	0.13	-3.53
LaPorte, IN	Ozone	Maintenance	100	-	-0.02	-0.05	-0.80
Las Vegas, NV	CO	Serious	100	-	0.56	0.52	-12.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.57	0.53	-12.46
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.02	-0.62
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.10
Lima, OH	Ozone	Maintenance	100	-	-0.02	-0.06	-0.93
Longmont, CO	CO	Maintenance	100	-	0.04	0.04	-0.72
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.34

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**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	5.45	5.12	-117.95
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	5.45	5.12	-117.95
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	5.45	5.12	-117.95
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	5.45	5.12	-117.95
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	5.45	5.12	-117.95
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.26	0.25	-5.37
Louisville, KY-IN	Ozone	Maintenance	100	-	0.27	0.19	-8.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.16	-8.05
Lowell, MA	CO	Maintenance	100	-	0.04	0.04	-0.85
Lucas County, OH	SO _x	Maintenance	100	-	0.06	0.04	-2.14
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.43
Macon, GA	Ozone	Maintenance	100	-	-0.03	-0.10	-1.72
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.10	-1.70
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.06	0.04	-2.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.09
Manchester, NH	CO	Maintenance	100	-	0.03	0.03	-0.51
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.72
Marion County, IN	SO _x	Maintenance	100	-	0.02	-0.03	-2.40
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.96
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-2.68
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.21
Medford, OR	CO	Maintenance	100	-	0.03	0.02	-0.64
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.06	0.06	-1.54
Memphis, TN-AR	Ozone	Maintenance	100	-	0.13	-0.01	-7.50
Memphis, TN	CO	Maintenance	100	-	0.21	0.14	-6.65
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.24

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Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.12	0.08	-3.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.49	0.38	-13.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.31	-0.18	-23.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.30	-0.17	-23.19
Missoula, MT	CO	Maintenance	100	-	-0.04	-0.07	-0.63
Missoula, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.61
Modesto, CA	CO	Maintenance	100	-	0.10	0.07	-2.64
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.88
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.26
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.24
Muncie, IN	Ozone	Maintenance	100	-	-0.06	-0.11	-1.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.13
Muskegon, MI	Ozone	Maintenance	100	-	0.00	-0.02	-1.07
Nashua, NH	CO	Maintenance	100	-	0.02	0.02	-0.41
Nashville, TN	Ozone	Former Subpart 1	50	-	0.45	0.33	-12.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	-1.26
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.04	-1.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.24	0.21	-5.61
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-3.87	-6.35	-15.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.36	-10.41	-79.92
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.05	-8.30	-132.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.99	-8.18	-131.21
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.31

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Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.45	0.38	-11.61
Ogden, UT	CO	Maintenance	100	-	0.02	0.01	-0.51
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.91
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.04	-1.17
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.04	-1.18
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.16
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.03	-0.69
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.03	-0.64
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.12	0.12	-2.62
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.96	0.56	-33.42
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.67	1.23	-48.65
Phoenix, AZ	CO	Maintenance	100	-	2.09	2.08	-41.10
Phoenix, AZ	PM ₁₀	Serious	70	-	2.14	2.13	-42.24
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.15	2.13	-42.36
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.21
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.36	0.14	-14.98
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.37	0.19	-13.56
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.18
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.20	0.19	-4.10

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Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.26	0.16	-8.77
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.40
Poughkeepsie, NY	Ozone	Moderate	50	-	0.44	0.37	-11.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.23	0.13	-7.71
Provo, UT	CO	Maintenance	100	-	0.04	0.03	-1.36
Raleigh-Durham, NC	CO	Maintenance	100	-	0.46	0.42	-10.28
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.60	0.53	-14.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.08	0.06	-2.49
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.06	-2.49
Reno, NV	CO	Maintenance	100	-	0.09	0.08	-1.79
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.36	0.30	-9.07
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.41
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.30	0.31	-5.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	-0.00	-2.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	-0.00	-0.66
Rochester, NY	Ozone	Former Subpart 1	50	-	0.38	0.32	-9.89
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	-0.01	-1.43
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-1.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.61	0.60	-12.36
Sacramento Metro, CA	Ozone	Severe	25	-	1.05	0.99	-22.88
Sacramento, CA	CO	Maintenance	100	-	0.69	0.67	-13.89
Salem, OR	CO	Maintenance	100	-	0.03	0.01	-0.98
Salt Lake City, UT	CO	Maintenance	100	-	0.06	0.05	-1.65

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**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.30	0.24	-7.93
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.30	0.24	-7.93
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.10	-0.27	-15.82
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.17	0.17	-3.31
San Diego, CA	CO	Maintenance	100	-	1.76	1.78	-33.32
San Diego, CA	Ozone	Former Subpart 1	50	-	1.76	1.78	-33.39
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.33	2.20	-50.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.67	2.54	-56.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.49	1.23	-38.30
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.49	1.23	-38.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.49	1.23	-38.30
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.27
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.14	0.08	-5.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.28	-0.26	-25.28
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.01	-0.94
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.13
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.03	-3.49
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.04	-1.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.05	-2.54
Spokane, WA	CO	Maintenance	100	-	0.02	-0.05	-2.51
Springfield (western MA), MA	Ozone	Moderate	50	-	0.33	0.33	-6.37
Springfield, MA	CO	Maintenance	100	-	0.05	0.05	-1.06
St. Louis, MO	CO	Maintenance	100	-	0.06	-0.09	-6.60
St. Louis, MO-IL	Ozone	Moderate	50	-	0.57	0.27	-21.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.56	0.27	-21.78

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Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.07	0.06	-1.30
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.38
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.07	-0.83
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.07	-0.83
Stockton, CA	CO	Maintenance	100	-	0.17	0.15	-3.93
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	-0.06	-4.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.03	-0.08	-1.09
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.39
Toledo, OH	Ozone	Maintenance	100	-	0.12	0.08	-4.01
Toms River, NJ	CO	Maintenance	100	-	0.04	0.04	-0.78
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.05	-0.91
Trenton, NJ	CO	Maintenance	100	-	0.03	0.03	-0.65
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Tucson, AZ	CO	Maintenance	100	-	0.33	0.29	-7.84
Utah County, UT	PM ₁₀	Moderate	100	-	0.12	0.08	-3.95
Vancouver, WA	CO	Maintenance	100	-	0.08	0.05	-2.63
Ventura County, CA	Ozone	Serious	50	-	0.35	0.35	-6.81
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.03	-0.08	-1.09
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.02	-0.40
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.26
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-1.76
Washington, DC-MD-VA	CO	Maintenance	100	-	0.58	0.57	-11.54

Appendix B

**Table B.1-31
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.04	1.99	-41.40
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.01	1.98	-40.42
Washoe County, NV	PM ₁₀	Serious	70	-	0.09	0.08	-1.79
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.56
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.67
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.03	-0.08	-1.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.08	-1.21
Winston-Salem, NC	CO	Maintenance	100	-	0.09	0.04	-3.20
Worcester, MA	CO	Maintenance	100	-	0.09	0.09	-1.67
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.82
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.02	-0.37
York, PA	Ozone	Maintenance	100	-	0.11	0.07	-3.51
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.07	-2.69
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.13	0.08	-4.51
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	0.04	-1.52

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.16	-0.27	-16.89
Albuquerque, NM	CO	Maintenance	100	-	0.39	0.40	-6.62
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.09	0.08	-1.93
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.48	0.55	-6.51
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.04	-1.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.22	0.26	-2.49
Anchorage, AK	CO	Maintenance	100	-	-0.13	-0.28	-2.51
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Atlanta, GA	Ozone	Moderate	50	-	5.65	6.23	-81.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.66	6.23	-81.20
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.05	-0.51
Bakersfield, CA	CO	Maintenance	100	-	0.36	0.38	-5.54
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.11
Baltimore, MD	Ozone	Moderate	50	-	2.78	3.25	-33.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.78	3.25	-33.93
Baton Rouge, LA	Ozone	Moderate	50	-	0.26	0.13	-8.85
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.12	0.05	-4.53
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.00	-1.89
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.34
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.05	-1.88
Billings, MT	CO	Maintenance	100	-	0.01	-0.01	-0.93
Birmingham, AL	Ozone	Maintenance	100	-	0.68	0.72	-10.67

Appendix B

Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.68	0.72	-10.71
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.13	0.06	-4.35
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.13	0.06	-4.35
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.26
Boston, MA	CO	Maintenance	100	-	0.74	0.86	-8.90
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.62	5.43	-55.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.62	0.73	-7.34
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.84	0.92	-12.18
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.30
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.15	0.13	-3.13
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.13	-3.13
Case County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.49
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.07
Charleston, WV	Ozone	Maintenance	100	-	0.17	0.18	-2.64
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.17	0.18	-2.64
Charlotte, NC	CO	Maintenance	100	-	0.69	0.79	-8.87
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.31	1.41	-19.97
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.02	-6.53
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.14	0.03	-6.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	6.20	7.11	-80.07
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	6.36	7.27	-82.92
Chico, CA	CO	Maintenance	100	-	0.12	0.14	-1.65
Chico, CA	Ozone	Former Subpart 1	50	-	0.26	0.29	-3.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.48	1.60	-22.10

Appendix B

**Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.45	1.57	-21.34
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
Clark County, NV	PM ₁₀	Serious	70	-	1.55	1.79	-19.62
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	-0.04	-3.63
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	-0.01	-2.18
Cleveland, OH	CO	Maintenance	100	-	0.46	0.44	-8.94
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.76	1.89	-27.13
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.61	1.72	-24.81
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.77	0.92	-8.80
Colbert County, AL	SO _x	Maintenance	100	-	0.01	-0.01	-0.63
Colorado Springs, CO	CO	Maintenance	100	-	0.39	0.37	-7.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	0.21	0.08	-8.16
Columbus, OH	Ozone	Maintenance	100	-	1.30	1.36	-21.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.24	1.32	-19.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.46	0.44	-8.94
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.36	0.32	-7.83
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.48	7.31	-87.48
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.50	0.50	-8.65
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.44	0.45	-7.59
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.99	3.51	-35.76
Denver-Boulder, CO	CO	Maintenance	100	-	2.85	3.34	-34.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.39	3.89	-43.81
Detroit, MI	CO	Maintenance	100	-	0.59	0.48	-14.34
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.02	3.05	-52.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.99	3.05	-51.18

Appendix B

Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.43
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.03	-0.36
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.30
Duluth, MN	CO	Maintenance	100	-	0.01	-0.01	-0.92
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.15	0.17	-2.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.35	0.36	-5.77
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	-0.34
Erie, PA	Ozone	Maintenance	100	-	0.15	0.15	-2.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	-0.09	-3.24
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	-0.09	-3.11
Evansville, IN	Ozone	Maintenance	100	-	0.15	0.14	-2.84
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.15	0.12	-3.69
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.23	0.26	-3.23
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.11
Flint, MI	Ozone	Maintenance	100	-	0.34	0.36	-5.52
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.13	0.13	-2.36
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	-0.00	-4.61
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.05	-1.92
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.06	-1.77
Fredericksburg, VA	Ozone	Maintenance	100	-	0.35	0.38	-5.54

Appendix B

Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	-0.24
Fresno, CA	CO	Maintenance	100	-	0.57	0.67	-7.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.59	0.61	-9.90
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.37
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.50
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	1.26	1.42	-16.98
Greeley, CO	CO	Maintenance	100	-	0.07	0.05	-1.60
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.09	-1.42
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.01	-0.59
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.56
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.14	1.22	-17.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.60	0.67	-8.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.18	-0.05	-10.61
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.02	-0.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.08	-1.31
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.73	0.83	-9.96
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.67	0.75	-9.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.82	0.95	-10.61
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.04	-0.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.47
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.11	0.11	-1.81
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.18	0.19	-3.11
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

Appendix B

**Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	3.20	2.79	-70.34
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.08	-3.57
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.06	-1.84
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.33
Imperial County, CA	Ozone	Moderate	50	-	0.22	0.26	-2.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.22	0.25	-2.77
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.34
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.41	1.45	-24.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.15	1.19	-19.08
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.92
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	0.09	-1.69
Jefferson County, NY	Ozone	Moderate	50	-	0.10	0.11	-1.31
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.09	-2.70
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.90
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-1.02
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.26
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.26	0.22	-5.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.66	0.35	-21.72
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.14	0.17	-1.62
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.35
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.90
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.26
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.04	-0.65

Appendix B

Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.65
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.57	0.39	-16.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.38	0.21	-12.33
La Porte County, IN	SO _x	Maintenance	100	-	0.00	-0.01	-0.39
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.22
Lake County, IN	SO _x	Maintenance	100	-	0.22	0.24	-2.95
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.03	-0.37
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.05	-0.45
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.09	0.11	-1.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.02	-0.21
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.16
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.40	0.46	-4.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.40	0.46	-4.98
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.37	0.42	-5.17
LaPorte, IN	Ozone	Maintenance	100	-	0.01	-0.02	-1.09
Las Vegas, NV	CO	Serious	100	-	1.55	1.79	-19.62
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.57	1.81	-19.83
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.07	-0.86
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Lima, OH	Ozone	Maintenance	100	-	0.01	-0.03	-1.32
Longmont, CO	CO	Maintenance	100	-	0.10	0.12	-1.15
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.04	-0.51

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	14.14	16.25	-180.93
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	14.14	16.25	-180.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	14.14	16.25	-180.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	14.14	16.25	-180.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	14.14	16.25	-180.92
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.66	0.76	-8.32
Louisville, KY-IN	Ozone	Maintenance	100	-	0.77	0.82	-11.99
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.72	0.76	-11.45
Lowell, MA	CO	Maintenance	100	-	0.11	0.13	-1.33
Lucas County, OH	SO _x	Maintenance	100	-	0.17	0.17	-2.99
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.60
Macon, GA	Ozone	Maintenance	100	-	0.02	-0.04	-2.34
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	-0.04	-2.31
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.21	0.22	-3.21
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.17
Manchester, NH	CO	Maintenance	100	-	0.06	0.07	-0.68
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.08	-1.02
Marion County, IN	SO _x	Maintenance	100	-	0.13	0.10	-3.34
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.13	0.15	-1.57
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.08	-3.87
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.31
Medford, OR	CO	Maintenance	100	-	0.08	0.09	-1.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.19	0.21	-2.48
Memphis, TN-AR	Ozone	Maintenance	100	-	0.49	0.44	-10.49
Memphis, TN	CO	Maintenance	100	-	0.58	0.60	-9.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.03	-0.38

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.33	0.34	-5.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.36	1.48	-20.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.67	1.49	-35.59
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.62	1.44	-34.55
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.06	-0.91
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.88
Modesto, CA	CO	Maintenance	100	-	0.29	0.32	-4.22
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.11	0.12	-1.44
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.04	0.04	-0.43
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.33
Muncie, IN	Ozone	Maintenance	100	-	-0.05	-0.11	-1.38
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.00	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.04	-1.57
Nashua, NH	CO	Maintenance	100	-	0.05	0.06	-0.55
Nashville, TN	Ozone	Former Subpart 1	50	-	1.33	1.46	-19.56
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.18	0.21	-2.15
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.15	-1.79
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.59	0.66	-7.98
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-4.89	-8.14	-20.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.08	-9.70	-112.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.83	-2.98	-190.79
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.84	-2.90	-188.92
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.47

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**Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.19	1.32	-16.89
Ogden, UT	CO	Maintenance	100	-	0.05	0.06	-0.73
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.06	-0.73
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.20
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.08	-1.40
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.01	-1.65
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.01	-1.66
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.24
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.08	0.09	-0.97
Perth Amboy, NJ	CO	Maintenance	100	-	0.09	0.10	-1.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.27	0.31	-3.55
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2.88	2.97	-48.25
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4.64	4.99	-70.63
Phoenix, AZ	CO	Maintenance	100	-	5.81	6.84	-69.18
Phoenix, AZ	PM ₁₀	Serious	70	-	5.95	7.00	-70.95
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.97	7.02	-71.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.02	-0.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.15	1.12	-21.26
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.10	1.10	-19.26
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.25
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.48	0.55	-6.03

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.80	0.84	-12.69
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.57
Poughkeepsie, NY	Ozone	Moderate	50	-	1.26	1.41	-17.43
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	0.70	0.73	-11.52
Provo, UT	CO	Maintenance	100	-	0.14	0.15	-2.11
Raleigh-Durham, NC	CO	Maintenance	100	-	1.24	1.42	-15.91
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.65	1.87	-21.67
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.24	0.25	-3.61
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.25	-3.61
Reno, NV	CO	Maintenance	100	-	0.21	0.24	-2.63
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.96	1.07	-13.24
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.06	-0.66
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.77	0.92	-8.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.14	0.13	-2.83
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.05	-0.97
Rochester, NY	Ozone	Former Subpart 1	50	-	1.00	1.11	-14.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.09	0.07	-2.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.01	-1.43
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.64	1.91	-20.06
Sacramento Metro, CA	Ozone	Severe	25	-	2.97	3.42	-37.47
Sacramento, CA	CO	Maintenance	100	-	1.85	2.16	-22.57
Salem, OR	CO	Maintenance	100	-	0.09	0.09	-1.40
Salt Lake City, UT	CO	Maintenance	100	-	0.18	0.19	-2.48

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.84	0.93	-11.85
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.84	0.93	-11.85
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.03	0.86	-23.54
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.42	0.49	-5.01
San Diego, CA	CO	Maintenance	100	-	4.52	5.33	-53.33
San Diego, CA	Ozone	Former Subpart 1	50	-	4.53	5.34	-53.43
San Francisco Bay Area, CA	Ozone	Marginal	50	-	6.15	7.10	-77.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	6.94	8.03	-86.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.48	5.03	-61.35
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.49	5.04	-61.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.48	5.03	-61.35
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.04	-0.43
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.44	0.45	-7.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.77	1.57	-37.96
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.09	-1.40
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.31
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.02	-0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.28	0.27	-5.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.11	-1.29
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.16	0.13	-3.78
Spokane, WA	CO	Maintenance	100	-	0.16	0.13	-3.73
Springfield (western MA), MA	Ozone	Moderate	50	-	0.77	0.90	-9.31
Springfield, MA	CO	Maintenance	100	-	0.13	0.16	-1.64
St. Louis, MO	CO	Maintenance	100	-	0.29	0.18	-8.76
St. Louis, MO-IL	Ozone	Moderate	50	-	1.75	1.75	-30.96
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.73	1.73	-30.77

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.16	0.19	-2.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.28
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.04	-0.52
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.07	-1.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-1.12
Stockton, CA	CO	Maintenance	100	-	0.48	0.55	-6.47
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.21	0.15	-5.68
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.05	-1.45
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.54
Toledo, OH	Ozone	Maintenance	100	-	0.34	0.36	-5.66
Toms River, NJ	CO	Maintenance	100	-	0.11	0.13	-1.26
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.01	-1.32
Trenton, NJ	CO	Maintenance	100	-	0.08	0.09	-0.97
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Tucson, AZ	CO	Maintenance	100	-	0.91	1.04	-12.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.40	0.43	-6.03
Vancouver, WA	CO	Maintenance	100	-	0.27	0.29	-4.12
Ventura County, CA	Ozone	Serious	50	-	0.91	1.07	-10.95
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.05	-1.45
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.05	0.06	-0.58
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.04	-0.39
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.13
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.07	0.04	-2.50
Washington, DC-MD-VA	CO	Maintenance	100	-	1.44	1.67	-17.77

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Table B.1-32
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	5.19	6.05	-63.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	5.10	5.96	-61.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.21	0.24	-2.63
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.02	-0.77
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.03	0.01	-1.54
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.06	-1.63
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.06	-1.63
Winston-Salem, NC	CO	Maintenance	100	-	0.28	0.29	-4.69
Worcester, MA	CO	Maintenance	100	-	0.22	0.26	-2.63
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.01	-1.19
Yakima, WA	CO	Maintenance	100	-	0.01	0.00	-0.59
York, PA	Ozone	Maintenance	100	-	0.33	0.35	-5.27
York, PA	PM _{2.5}	Nonattainment	100	-	0.27	0.30	-4.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.35	0.36	-6.17
Yuma, AZ	PM ₁₀	Moderate	100	-	0.17	0.19	-2.37

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.01	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.04	0.06	0.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.02	0.03	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.03	-0.06
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.09	-0.12	-0.24
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.02

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.03	0.05	0.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.01	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.00	0.01	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.01	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.04	0.06	0.10
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.11
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03

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**Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.02	0.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.01	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.04	0.06	0.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.02	0.03	0.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.02	0.03	0.05
Detroit, MI	CO	Maintenance	100	-	0.01	0.01	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.03	0.04	0.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.07

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.02	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.01	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-0.20	-0.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.02	0.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.02	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.01	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.09	0.14	0.23
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.09	0.14	0.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.09	0.14	0.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.09	0.14	0.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.14	0.23
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.01	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.01
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.02	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.02	0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.02	0.03	0.04
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.01	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.05	0.07	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.09	0.14	0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.09	0.14	0.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.02
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.01	0.01	0.01
Phoenix, AZ	CO	Maintenance	100	-	0.03	0.04	0.07
Phoenix, AZ	PM ₁₀	Serious	70	-	0.03	0.04	0.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.03	0.04	0.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.01	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.01	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.01	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.02	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.01	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.02	0.04
Sacramento, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.02	0.04	0.06
San Diego, CA	Ozone	Former Subpart 1	50	-	0.02	0.04	0.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.00	-0.00	-0.02
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.00	0.01	-0.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.04	0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.04	0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.03	0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	0.03	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.05

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.00	0.01	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.01	0.02

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Table B.1-33
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.03	0.05	0.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.03
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.10	0.16	-0.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.16	-0.16
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	-0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.07	-0.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.07
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.07	-0.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.20	-0.30	-0.54
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.02	-0.02

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.08	0.12	-0.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	-0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	-0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.04	-0.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.10	0.17	-0.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.17	-0.18
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.05

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.04	-0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.02	-0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.04	0.06	-0.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.06
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	-0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.11	0.17	-0.17
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.07
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.07	-0.07
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.09	-0.09
Detroit, MI	CO	Maintenance	100	-	0.02	0.04	-0.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.07	0.11	-0.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.11

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	-0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.04	-0.04
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.04	-0.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	-0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.34	-0.50	-1.21
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.03	0.05	-0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	-0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.02	0.04	-0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.23	0.37	-0.38
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.23	0.37	-0.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.23	0.37	-0.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.23	0.37	-0.38
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.23	0.36	-0.38
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	-0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	-0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.04	-0.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.05	-0.09
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.04	0.07	-0.07
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	-0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.12	0.19	-0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.22	0.36	-0.36
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.22	0.36	-0.36
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.04	-0.04
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.30
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	-0.35
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.11	-0.11
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.12	-0.12
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.12	-0.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.05
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.04
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.01

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	-0.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.03	-0.03
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.02	-0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.03	-0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.04
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.01	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	-0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.03
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	-0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.07	-0.07
Sacramento, CA	CO	Maintenance	100	-	0.03	0.04	-0.04
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.01

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.04
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
San Diego, CA	CO	Maintenance	100	-	0.06	0.10	-0.10
San Diego, CA	Ozone	Former Subpart 1	50	-	0.06	0.10	-0.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.00	0.01	-0.40
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.01	0.03	-0.42
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	0.11	-0.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	0.11	-0.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.07	-0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	-0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.02	-0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	0.07	-0.07
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	0.07	-0.07

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.02	-0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	-0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.04	-0.04

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Table B.1-34
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.08	0.13	-0.13
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.08	0.13	-0.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.09	0.11	-0.97
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.05	-0.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.45
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.15
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.52	0.60	-5.28
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.52	0.60	-5.28
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.03	0.03	-0.37
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.23	0.26	-2.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.26	-2.31
Baton Rouge, LA	Ozone	Moderate	50	-	-0.10	-0.19	-0.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.51	-0.83	-1.63
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Billings, MT	CO	Maintenance	100	-	0.01	0.01	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.07	0.08	-0.73

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Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.74
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.03	-0.25
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.25
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.06	0.07	-0.63
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.38	0.44	-3.85
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.06	-0.50
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.08	0.10	-0.84
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.21
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.02	-0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.19
Charlotte, NC	CO	Maintenance	100	-	0.06	0.07	-0.58
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.13	0.15	-1.29
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.37
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.53	0.61	-5.43
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.55	0.63	-5.62
Chico, CA	CO	Maintenance	100	-	0.01	0.01	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.15	0.17	-1.48

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**Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.16	-1.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.12	0.14	-1.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.02	-0.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.13
Cleveland, OH	CO	Maintenance	100	-	0.06	0.07	-0.64
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.18	0.21	-1.87
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.20	-1.71
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	0.06	-0.56
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.05	-0.48
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.49
Columbus, OH	Ozone	Maintenance	100	-	0.13	0.15	-1.33
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.14	-1.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.64
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.06	-0.53
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.55	0.64	-5.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.07	-0.60
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.52
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.23	0.27	-2.38
Denver-Boulder, CO	CO	Maintenance	100	-	0.22	0.26	-2.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.28	0.33	-2.87
Detroit, MI	CO	Maintenance	100	-	0.11	0.12	-1.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.34	0.39	-3.45
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.33	0.39	-3.38

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**Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.04	-0.37
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.02	-0.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.02	-0.17
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.24
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.22
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.38
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.27
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.10
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	0.04	-0.34

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Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.05	-0.47
Grand Rapids, MI	Ozone	Maintenance	100	-	0.06	0.07	-0.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.12	0.14	-1.19
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	-0.10
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.12	0.14	-1.20
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.59
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.65
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.08	-0.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.61
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.08	0.09	-0.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.13
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.21
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.66	-1.25	-7.09
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.22
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.02	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.15	0.18	-1.55
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.12	0.14	-1.23
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.11
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.16
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.13	0.15	-1.29
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.04

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Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.09	0.11	-0.95
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.72
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.21
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.34
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.34
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.35
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Las Vegas, NV	CO	Serious	100	-	0.12	0.14	-1.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.12	0.14	-1.27
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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**Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.18	1.36	-12.04
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.18	1.36	-12.04
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.18	1.36	-12.04
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.18	1.36	-12.04
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.18	1.36	-12.04
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.05	0.06	-0.55
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	0.09	-0.82
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.79
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.21
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	-0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.24
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.07	0.08	-0.71
Memphis, TN	CO	Maintenance	100	-	0.06	0.07	-0.65
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.04	-0.38
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.13	0.15	-1.34
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.19	0.21	-2.28
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.21	0.25	-2.16
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	-0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.05
Modesto, CA	CO	Maintenance	100	-	0.03	0.03	-0.26
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.12	0.14	-1.29
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.06	0.06	-0.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.04	-0.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.56	0.65	-5.72
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.09	1.26	-11.05
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.08	1.25	-10.95
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.11	0.13	-1.16
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.03	-0.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.12	0.05	-3.75
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.27	0.23	-5.30
Phoenix, AZ	CO	Maintenance	100	-	0.42	0.48	-4.24
Phoenix, AZ	PM ₁₀	Serious	70	-	0.43	0.50	-4.35
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.43	0.50	-4.37
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.14	0.16	-1.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.15	-1.31
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.05	-0.42

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.08	0.09	-0.86
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.11	0.13	-1.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.07	0.09	-0.75
Provo, UT	CO	Maintenance	100	-	0.01	0.02	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.10	0.12	-1.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.14	0.16	-1.42
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.25
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.25
Reno, NV	CO	Maintenance	100	-	0.02	0.02	-0.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.09	0.10	-0.91
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	0.06	-0.56
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.11	-0.99
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	-0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.13	0.15	-1.27
Sacramento Metro, CA	Ozone	Severe	25	-	0.23	0.27	-2.33
Sacramento, CA	CO	Maintenance	100	-	0.14	0.16	-1.43
Salem, OR	CO	Maintenance	100	-	0.01	0.01	-0.10
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.02	-0.17

Appendix B

Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.08	0.09	-0.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	0.09	-0.79
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.14	0.16	-1.44
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.34
San Diego, CA	CO	Maintenance	100	-	0.34	0.39	-3.45
San Diego, CA	Ozone	Former Subpart 1	50	-	0.34	0.40	-3.46
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.26	0.19	-5.73
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.32	0.26	-6.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.37	0.43	-3.84
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.37	0.43	-3.86
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.37	0.43	-3.84
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.22	0.26	-2.36
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.33
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.23
Spokane, WA	CO	Maintenance	100	-	0.02	0.03	-0.23
Springfield (western MA), MA	Ozone	Moderate	50	-	0.06	0.08	-0.66
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.11
St. Louis, MO	CO	Maintenance	100	-	0.06	0.07	-0.61
St. Louis, MO-IL	Ozone	Moderate	50	-	0.21	0.24	-2.11
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.21	0.24	-2.10

Appendix B

Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.07
Stockton, CA	CO	Maintenance	100	-	0.04	0.05	-0.40
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.04	-0.37
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.04	-0.39
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.08
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.08	0.09	-0.79
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.39
Vancouver, WA	CO	Maintenance	100	-	0.03	0.03	-0.26
Ventura County, CA	Ozone	Serious	50	-	0.07	0.08	-0.70
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.16
Washington, DC-MD-VA	CO	Maintenance	100	-	0.12	0.14	-1.19

Appendix B

Table B.1-35
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.42	0.49	-4.25
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.41	0.47	-4.16
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.02	-0.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.04	-0.31
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.07
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.34
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.05	-0.44
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.21	0.27	-1.40
Albuquerque, NM	CO	Maintenance	100	-	0.10	0.12	-0.63
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.18
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.12	-0.64
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.10
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.25
Anchorage, AK	CO	Maintenance	100	-	0.03	0.03	-0.17
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.21	1.53	-7.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.21	1.53	-7.91
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.07	0.09	-0.56
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.52	0.66	-3.41
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.52	0.66	-3.41
Baton Rouge, LA	Ozone	Moderate	50	-	-0.09	-0.19	-1.30
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.66	-1.10	-2.22
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.16
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.03	-0.17
Billings, MT	CO	Maintenance	100	-	0.01	0.02	-0.08
Birmingham, AL	Ozone	Maintenance	100	-	0.16	0.20	-1.02

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.16	0.20	-1.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.06	0.07	-0.38
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.38
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.14	0.17	-0.90
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.85	1.07	-5.55
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	0.14	-0.74
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.18	0.23	-1.18
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	0.06	-0.29
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.29
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.05	-0.25
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.25
Charlotte, NC	CO	Maintenance	100	-	0.13	0.17	-0.88
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.29	0.37	-1.92
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.56
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.08	0.10	-0.52
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.21	1.52	-7.97
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.25	1.58	-8.24
Chico, CA	CO	Maintenance	100	-	0.02	0.03	-0.16
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.34
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.33	0.41	-2.14

Appendix B

**Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.32	0.40	-2.07
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.30	0.38	-1.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.05	0.06	-0.30
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.18
Cleveland, OH	CO	Maintenance	100	-	0.13	0.16	-0.83
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.40	0.50	-2.61
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.36	0.46	-2.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.14	0.17	-0.90
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Colorado Springs, CO	CO	Maintenance	100	-	0.11	0.14	-0.73
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.11	0.14	-0.71
Columbus, OH	Ozone	Maintenance	100	-	0.31	0.39	-2.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.29	0.36	-1.87
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.13	0.16	-0.83
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.11	0.14	-0.72
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.32	1.66	-8.61
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.12	0.16	-0.82
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.14	-0.72
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.55	0.70	-3.60
Denver-Boulder, CO	CO	Maintenance	100	-	0.53	0.66	-3.44
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.66	0.84	-4.35
Detroit, MI	CO	Maintenance	100	-	0.20	0.25	-1.30
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.75	0.95	-4.94
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.74	0.94	-4.84

Appendix B

Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.08	0.11	-0.55
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.05	-0.26
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.05	-0.25
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.26
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.33
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.32
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.08	0.10	-0.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.04	-0.22
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.08	-0.39
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.17
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.14
Fredericksburg, VA	Ozone	Maintenance	100	-	0.08	0.10	-0.53

Appendix B

**Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.11	0.14	-0.71
Grand Rapids, MI	Ozone	Maintenance	100	-	0.14	0.18	-0.94
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.26	0.32	-1.67
Greeley, CO	CO	Maintenance	100	-	0.02	0.03	-0.14
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.13
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.26	0.33	-1.70
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.13	0.16	-0.82
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.14	0.17	-0.90
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.12
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.15	0.19	-0.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.17	-0.90
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.16	0.20	-1.05
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.17
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.29
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.43	-1.05	-10.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.30
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	0.03	-0.15
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.05	-0.28
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.05	-0.28
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.35	0.44	-2.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.28	0.35	-1.81
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.16
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.02	-0.13
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.22
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.09
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.08	0.10	-0.52
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.29	0.37	-1.91
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.03	-0.17
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.09
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.05

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.22	0.28	-1.44
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.17	0.21	-1.08
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.04	0.06	-0.29
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.50
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.50
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	0.10	-0.51
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Las Vegas, NV	CO	Serious	100	-	0.30	0.38	-1.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.30	0.38	-1.98
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.08
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.11
Longmont, CO	CO	Maintenance	100	-	0.02	0.02	-0.12
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.05

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**Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.74	3.46	-18.02
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.74	3.46	-18.02
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.74	3.46	-18.02
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.74	3.46	-18.02
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.74	3.46	-18.02
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.13	0.16	-0.83
Louisville, KY-IN	Ozone	Maintenance	100	-	0.18	0.22	-1.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.17	0.21	-1.10
Lowell, MA	CO	Maintenance	100	-	0.02	0.03	-0.13
Lucas County, OH	SO _x	Maintenance	100	-	0.04	0.05	-0.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Macon, GA	Ozone	Maintenance	100	-	0.03	0.04	-0.19
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.19
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.05	0.06	-0.31
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.07
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.10
Marion County, IN	SO _x	Maintenance	100	-	0.05	0.06	-0.30
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.16
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.34
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.10
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.24
Memphis, TN-AR	Ozone	Maintenance	100	-	0.15	0.18	-0.97
Memphis, TN	CO	Maintenance	100	-	0.13	0.17	-0.90
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.08	0.10	-0.52
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.30	0.37	-1.94
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.47	0.58	-3.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.48	0.61	-3.17
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.07
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Modesto, CA	CO	Maintenance	100	-	0.06	0.08	-0.41
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.14
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	0.29	0.36	-1.91
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.22
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.18
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.12	0.15	-0.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.06	0.08	-0.42
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.23	1.56	-8.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.41	3.05	-15.78
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.39	3.02	-15.64
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05

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**Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.25	0.32	-1.65
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.07
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.03	-0.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.14
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	-0.10
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.02	-0.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	0.07	-0.35
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.43	0.45	-5.26
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.77	0.88	-7.49
Phoenix, AZ	CO	Maintenance	100	-	1.07	1.35	-6.98
Phoenix, AZ	PM ₁₀	Serious	70	-	1.09	1.38	-7.16
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.10	1.38	-7.17
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.30	0.38	-1.99
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.28	0.35	-1.82
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.09	0.12	-0.60

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.18	0.23	-1.22
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.26	0.33	-1.71
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.17	0.21	-1.10
Provo, UT	CO	Maintenance	100	-	0.03	0.04	-0.20
Raleigh-Durham, NC	CO	Maintenance	100	-	0.24	0.31	-1.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.33	0.41	-2.14
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.05	0.07	-0.35
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.35
Reno, NV	CO	Maintenance	100	-	0.04	0.05	-0.26
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.20	0.25	-1.30
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.14	0.17	-0.90
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.26
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	-0.09
Rochester, NY	Ozone	Former Subpart 1	50	-	0.21	0.27	-1.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.18
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.31	0.39	-2.01
Sacramento Metro, CA	Ozone	Severe	25	-	0.57	0.72	-3.74
Sacramento, CA	CO	Maintenance	100	-	0.35	0.44	-2.27
Salem, OR	CO	Maintenance	100	-	0.02	0.03	-0.13
Salt Lake City, UT	CO	Maintenance	100	-	0.04	0.04	-0.25

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.17	0.22	-1.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.18	0.22	-1.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.33	0.41	-2.14
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.08	0.10	-0.50
San Diego, CA	CO	Maintenance	100	-	0.82	1.04	-5.39
San Diego, CA	Ozone	Former Subpart 1	50	-	0.83	1.04	-5.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.85	0.95	-8.59
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.99	1.13	-9.53
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.91	1.15	-6.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.91	1.15	-6.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.91	1.15	-6.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.11	0.14	-0.70
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.52	0.66	-3.51
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.03	-0.13
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.07	0.09	-0.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.34
Spokane, WA	CO	Maintenance	100	-	0.05	0.07	-0.34
Springfield (western MA), MA	Ozone	Moderate	50	-	0.14	0.18	-0.94
Springfield, MA	CO	Maintenance	100	-	0.03	0.03	-0.16
St. Louis, MO	CO	Maintenance	100	-	0.12	0.15	-0.78
St. Louis, MO-IL	Ozone	Moderate	50	-	0.45	0.56	-2.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.44	0.56	-2.90

Appendix B

Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.20
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.09
Stockton, CA	CO	Maintenance	100	-	0.10	0.12	-0.64
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.08	0.10	-0.51
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.12
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.08	0.10	-0.54
Toms River, NJ	CO	Maintenance	100	-	0.02	0.02	-0.13
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.11
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	-0.10
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.18	0.23	-1.19
Utah County, UT	PM ₁₀	Moderate	100	-	0.09	0.11	-0.58
Vancouver, WA	CO	Maintenance	100	-	0.06	0.08	-0.40
Ventura County, CA	Ozone	Serious	50	-	0.17	0.21	-1.10
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.12
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.06
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.22
Washington, DC-MD-VA	CO	Maintenance	100	-	0.27	0.34	-1.78

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Table B.1-36
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.97	1.23	-6.37
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.95	1.20	-6.23
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.05	-0.26
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.13
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.03	-0.13
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.13
Winston-Salem, NC	CO	Maintenance	100	-	0.07	0.09	-0.45
Worcester, MA	CO	Maintenance	100	-	0.04	0.05	-0.27
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.05
York, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.51
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.39
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.09	0.11	-0.58
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.04	-0.23

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.61
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.01	0.28
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.01	0.28
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.07
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.10	3.15
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.10	3.15
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.09	-0.11	-0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.05	1.42
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.05	1.42
Baton Rouge, LA	Ozone	Moderate	50	-	-5.17	-6.89	-13.45
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-16.48	-21.96	-43.75
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.09
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.07
Billings, MT	CO	Maintenance	100	-	-2.74	-3.65	-7.27
Birmingham, AL	Ozone	Maintenance	100	-	-0.24	-0.31	-0.16

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Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.24	-0.31	-0.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.41
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.08	2.44
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.01	0.31
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.56
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.44	-0.58	-1.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.44	-0.58	-1.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.14
Charlotte, NC	CO	Maintenance	100	-	0.00	0.01	0.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.02	0.78
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.24
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-7.65	-10.12	-17.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-7.65	-10.11	-16.98
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.94

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**Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.92
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.02	0.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.12
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.09
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.04	1.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	1.15
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.29
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.01	0.28
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.31
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.03	0.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.73
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.10	3.25
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.41
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.36
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-3.35	-4.43	-7.56
Denver-Boulder, CO	CO	Maintenance	100	-	-3.35	-4.43	-7.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-3.35	-4.42	-7.27
Detroit, MI	CO	Maintenance	100	-	-2.60	-3.45	-6.16
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-3.37	-4.45	-6.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-3.37	-4.45	-6.85

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Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-6.07	-8.08	-16.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.83	-2.44	-4.67
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.12
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.16
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.25
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.17
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.19

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**Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.00	0.01	0.27
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.01	0.38
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.03	0.80
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.06
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.06
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.02	0.78
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.39
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.41
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.37
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.02	0.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.14
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.00

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Table B.1-37
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-25.14	-33.46	-64.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.32	-4.42	-8.70
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.32	-4.42	-8.77
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.10
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.03	0.95
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.75
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.11
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.24
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.03	0.79
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.07
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-37
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.02	0.56
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.43
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.15
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.21
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.21
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.23
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.05
Las Vegas, NV	CO	Serious	100	-	0.00	0.02	0.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.02	0.70
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-4.21	-5.62	-11.19
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-11.90	-15.69	-24.65
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-11.90	-15.69	-24.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-11.90	-15.69	-24.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-11.90	-15.69	-24.65
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-11.90	-15.69	-24.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.01	0.32
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.02	0.55
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.53
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.10
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.11
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.15
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.15
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.30	-1.72	-2.98
Memphis, TN	CO	Maintenance	100	-	-1.30	-1.72	-3.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.26
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.03	0.85
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.04	1.37
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.04	1.33
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.02	0.77
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.01	0.38
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.33	-1.69	0.16
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.82	-2.26	2.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.82	-2.27	2.09
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-4.69	-6.24	-11.77
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.05
Perth Amboy, NJ	CO	Maintenance	100	-	-0.50	-0.67	-1.31
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.19
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-7.27	-9.64	-17.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-7.28	-9.63	-16.33
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.06	2.09
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.06	2.16
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.06	2.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.97
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.88
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.01	0.27

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.02	-0.02	0.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.02	0.63
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.47
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.08
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.02	0.61
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.03	0.83
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.16
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.16
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	0.01	0.57
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.01	0.29
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	0.64
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.68
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.04	1.22
Sacramento, CA	CO	Maintenance	100	-	0.00	0.02	0.76
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.06
Salt Lake City, UT	CO	Maintenance	100	-	-1.17	-1.56	-3.03

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.17	-1.55	-2.64
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.49
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.03	0.88
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.20
San Diego, CA	CO	Maintenance	100	-	0.01	0.06	1.91
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.06	1.92
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-9.69	-12.84	-22.88
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-9.68	-12.83	-22.47
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.07	-0.05	1.85
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.07	-0.05	1.86
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.07	-0.05	1.85
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.01	0.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.04	1.41
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.06
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.22
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.14
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.14
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.43
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.07
St. Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.46
St. Louis, MO-IL	Ozone	Moderate	50	-	-18.86	-25.12	-48.88
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-18.86	-25.12	-48.89

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.04	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.04
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.25
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.07
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-4.39	-5.84	-11.43
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.47
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.23
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.14
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.00	0.37
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.10
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.02	0.75

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.08	2.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.08	2.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.99	-2.66	-5.28
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.07
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.20
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.21
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.16
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.01	0.31
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.09

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.05	2.66
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.02	1.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.30
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.02	1.23
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.21
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.35
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.30
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.04	0.26	13.94
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.26	13.95
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.11
Bakersfield, CA	CO	Maintenance	100	-	-0.19	-0.27	0.41
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.02	0.12	6.22
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.12	6.22
Baton Rouge, LA	Ozone	Moderate	50	-	-11.58	-17.15	-28.77
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.88	-54.71	-95.53
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.37
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.31
Billings, MT	CO	Maintenance	100	-	-6.13	-9.09	-15.86
Birmingham, AL	Ozone	Maintenance	100	-	-0.54	-0.77	0.68

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.54	-0.77	0.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.68
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.68
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Boston, MA	CO	Maintenance	100	-	0.01	0.03	1.77
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.03	0.20	10.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.03	1.35
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.05	2.40
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.98	-1.45	-1.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.98	-1.45	-1.96
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.58
Charlotte, NC	CO	Maintenance	100	-	0.00	0.03	1.53
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.06	3.43
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-17.12	-25.19	-30.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-17.12	-25.18	-29.64
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.23
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.52
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.08	4.10

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.08	3.98
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.06	3.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.54
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.37
Cleveland, OH	CO	Maintenance	100	-	0.01	0.04	1.95
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.10	5.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.09	4.94
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.03	1.33
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.12
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.02	1.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.03	1.35
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.07	3.50
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.06	3.25
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.04	1.95
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.03	1.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.04	0.27	14.52
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.03	1.74
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.54
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.50	-11.04	-13.42
Denver-Boulder, CO	CO	Maintenance	100	-	-7.50	-11.04	-13.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.49	-11.01	-12.15
Detroit, MI	CO	Maintenance	100	-	-5.80	-8.56	-11.87
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.55	-11.07	-10.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.55	-11.07	-10.36

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.17
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.58	-20.14	-35.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.11	-6.08	-9.72
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.07
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.47
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.48
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.46
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.53
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.68
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.61
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.00	0.02	1.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.37
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.76
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.32
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.27
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.02	0.86

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	0.00	0.02	1.23
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.03	1.69
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.06	3.42
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.26
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.26
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.10
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.09
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.06	3.38
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.67
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.04	1.87
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.24
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.03	1.78
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.64
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.04	2.21
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.08
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.08
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.37
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.61
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-56.28	-83.33	-135.40
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.43	-11.01	-18.78
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.43	-11.02	-19.07
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.46
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.45
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.08	4.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.06	3.31
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.16
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.32
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.26
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.45
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.21
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.23
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.02	1.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.07	3.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.30
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.10

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DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.10
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.05	2.47
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	1.91
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.63
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.13
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.02	0.94
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.94
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.02	0.99
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.20
Las Vegas, NV	CO	Serious	100	-	0.01	0.06	3.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.06	3.17
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.18
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-9.43	-13.99	-24.42
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.19
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.10

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-26.63	-39.06	-38.05
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-26.63	-39.06	-38.05
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-26.63	-39.06	-38.05
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-26.63	-39.06	-38.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-26.63	-39.06	-38.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.03	1.44
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.04	2.35
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	2.27
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.24
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.62
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.12
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.44
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.43
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.51
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.16
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.21
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.65
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.23
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.66
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.16
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.39
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.90	-4.28	-5.53
Memphis, TN	CO	Maintenance	100	-	-2.90	-4.28	-5.69
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.02	1.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.07	3.70
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.11	6.00
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.02	0.11	5.83
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.13
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.64
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.22
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.06
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.24
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.27
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.13
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.06	3.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.29
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.29
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.03	1.63
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.02	0.95
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.99	-4.20	8.33
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.09	-5.62	19.96
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.09	-5.63	19.70
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.08

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.50	-15.54	-24.20
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.15
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.15
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.22
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.30
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.30
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.21
Perth Amboy, NJ	CO	Maintenance	100	-	-1.13	-1.67	-2.78
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.02	0.81
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-16.27	-24.01	-33.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-16.30	-23.99	-29.14
Phoenix, AZ	CO	Maintenance	100	-	0.02	0.17	9.79
Phoenix, AZ	PM ₁₀	Serious	70	-	0.02	0.18	10.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.02	0.18	10.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.07	4.15
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	3.79
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.00	0.02	1.17

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.05	-0.04	2.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.05	2.84
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.04	2.05
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.34
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.05	2.71
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.07	3.70
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.69
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.69
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.51
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.02	2.50
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.03	1.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.54
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.17
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.05	2.78
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.39
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.25
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.06	3.11
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.11	5.60
Sacramento, CA	CO	Maintenance	100	-	0.01	0.07	3.47
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.27
Salt Lake City, UT	CO	Maintenance	100	-	-2.63	-3.89	-6.42

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.62	-3.86	-4.72
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.04	2.14
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.07	3.86
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.89
San Diego, CA	CO	Maintenance	100	-	0.03	0.16	8.64
San Diego, CA	Ozone	Former Subpart 1	50	-	0.03	0.16	8.66
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-21.68	-31.98	-43.43
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-21.68	-31.94	-41.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.17	-0.11	8.95
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.17	-0.11	8.99
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.17	-0.11	8.95
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.03	1.39
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.12	6.21
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.25
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.02	0.94
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	0.34
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.62
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.61
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.04	1.86
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.30
St. Louis, MO	CO	Maintenance	100	-	0.01	0.04	1.90
St. Louis, MO-IL	Ozone	Moderate	50	-	-42.22	-62.56	-104.21
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-42.22	-62.56	-104.25

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.36
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.11	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.11	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.02	0.97
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.02	1.07
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.27
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.12
Toledo, OH	Ozone	Maintenance	100	-	-9.82	-14.55	-24.52
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.21
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.21
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.18
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.01	0.04	2.07
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.02	1.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.65
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.01	1.72
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.27
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.12
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.44
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.06	3.25

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Table B.1-38
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.03	0.21	11.22
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.03	0.21	10.99
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.51
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.15
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.47	-6.63	-11.52
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.31
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.31
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.02	0.85
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.45
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.19
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.08
York, PA	Ozone	Maintenance	100	-	0.00	0.02	0.92
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.72
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.03	1.33
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.39

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.18	12.34
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.08	5.61
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.02	1.49
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.08	5.69
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.90
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	1.94
Anchorage, AK	CO	Maintenance	100	-	0.00	0.02	1.46
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Atlanta, GA	Ozone	Moderate	50	-	0.10	0.98	67.45
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.98	67.48
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.48
Bakersfield, CA	CO	Maintenance	100	-	-0.49	-0.73	3.21
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.09
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.43	29.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.43	29.53
Baton Rouge, LA	Ozone	Moderate	50	-	-29.44	-47.28	-70.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-93.80	-150.86	-241.64
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	1.57
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.02	1.45
Billings, MT	CO	Maintenance	100	-	-15.59	-25.07	-40.07
Birmingham, AL	Ozone	Maintenance	100	-	-1.38	-2.10	5.75

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Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.38	-2.10	5.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.05	3.26
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.05	3.26
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.18
Boston, MA	CO	Maintenance	100	-	0.01	0.12	8.04
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.08	0.71	49.16
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.09	6.43
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.16	10.77
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.06
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.18
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.20
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.50	-3.99	-3.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.50	-3.99	-3.87
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.40
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.05
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.04	2.44
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.04	2.44
Charlotte, NC	CO	Maintenance	100	-	0.01	0.11	7.47
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.24	16.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.07	5.09
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.06	4.68
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-43.55	-69.23	-44.87
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-43.55	-69.20	-42.52
Chico, CA	CO	Maintenance	100	-	0.00	0.02	1.25
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.04	2.74
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.03	0.27	18.95

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**Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.27	18.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.23	16.00
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.04	2.60
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.02	1.68
Cleveland, OH	CO	Maintenance	100	-	0.01	0.12	8.12
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.04	0.35	23.88
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.32	21.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.10	7.11
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.51
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.09	6.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.09	6.25
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.25	17.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.23	15.85
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.12	8.12
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.10	6.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.11	1.04	72.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.11	7.61
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.10	6.70
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-19.07	-30.31	-19.55
Denver-Boulder, CO	CO	Maintenance	100	-	-19.07	-30.33	-20.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-19.06	-30.22	-13.26
Detroit, MI	CO	Maintenance	100	-	-14.53	-23.21	-24.25
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-19.22	-30.39	-6.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.22	-30.40	-7.16

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**Table B.1-39
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DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.33
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.27
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.73
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.53	-55.52	-88.41
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.44	-16.74	-22.54
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.30
Erie, PA	Ozone	Maintenance	100	-	0.00	0.03	2.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.03	2.26
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.03	2.17
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.03	2.38
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.04	3.04
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.18
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.04	2.82
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Flint, MI	Ozone	Maintenance	100	-	0.01	0.07	4.82
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.03	1.84
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.05	3.49
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.02	1.49
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.26
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.06	4.38

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**Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.19
Fresno, CA	CO	Maintenance	100	-	0.01	0.08	6.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.12	8.09
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.36
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.34
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.17
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.22	15.27
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	1.24
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	1.19
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.46
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.42
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.22	15.29
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.11	7.49
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.12	8.26
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.21
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	1.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.12	8.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.11	7.81
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.14	9.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.41
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.38
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.61
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.04	2.70
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-143.13	-229.60	-318.79
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.89	-30.36	-46.68
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-18.90	-30.38	-47.99
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.26
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.03	2.32
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.03	2.27
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.31
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.03	0.29	19.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.23	15.71
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.74
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	1.45
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	1.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.03	1.99
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.82
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.91
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.07	4.71
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.30
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.24	16.50
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.02	1.43
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.26
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.78
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.23
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.10
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.45

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Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.45
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.18	12.14
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.13	9.26
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.14
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.04	2.74
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.33
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.35
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.76
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.19
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.06	4.37
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	4.37
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.07	4.54
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.86
Las Vegas, NV	CO	Serious	100	-	0.02	0.23	16.00
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.23	16.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.79
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.12
Lima, OH	Ozone	Maintenance	100	-	-23.99	-38.58	-61.74
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.96
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.44

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-67.74	-107.13	-24.11
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-67.74	-107.13	-24.11
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-67.74	-107.13	-24.11
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-67.74	-107.13	-24.11
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-67.74	-107.13	-24.12
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.10	7.03
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.15	10.50
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.15	10.07
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	1.13
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.04	2.67
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.00	0.54
Macon, GA	Ozone	Maintenance	100	-	0.00	0.03	1.85
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.83
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	0.00	0.04	2.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.68
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.93
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.04	2.82
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.25
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.04	3.05
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.26
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.83
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	1.99
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.38	-11.77	-10.33
Memphis, TN	CO	Maintenance	100	-	-7.39	-11.78	-11.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.31

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.07	4.81
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.25	17.16
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.41	28.38
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.04	0.40	27.57
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.60
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.58
Modesto, CA	CO	Maintenance	100	-	0.01	0.05	3.35
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	1.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.35
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.26
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.99
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.15
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.02	1.24
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.55
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.24	16.32
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.66
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.02	1.43
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.10	7.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.06	4.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-7.61	-11.37	52.94
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-10.42	-15.07	113.38
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-10.42	-15.09	112.13
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.40

Appendix B

**Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-26.72	-42.80	-55.08
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.65
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.65
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.18
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	1.11
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	1.32
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.33
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.20
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	0.90
Perth Amboy, NJ	CO	Maintenance	100	-	-2.86	-4.60	-6.64
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.05	3.41
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-41.38	-66.08	-66.84
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-41.47	-65.98	-47.28
Phoenix, AZ	CO	Maintenance	100	-	0.06	0.75	54.13
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.78	55.62
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.78	55.78
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.25
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.25	18.35
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.23	16.75
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.20
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.01	0.08	5.36

Appendix B

Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.14	-0.09	10.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.40
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.21	14.21
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.14	9.60
Provo, UT	CO	Maintenance	100	-	0.00	0.02	1.70
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.19	13.33
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.26	18.12
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.00	0.05	3.14
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.14
Reno, NV	CO	Maintenance	100	-	0.00	0.03	2.34
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.02	0.10	11.51
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.53
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.10	7.11
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	2.41
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.79
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.18	12.63
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.02	1.70
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.12
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.24	16.24
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.43	29.79
Sacramento, CA	CO	Maintenance	100	-	0.03	0.26	18.25
Salem, OR	CO	Maintenance	100	-	0.00	0.02	1.22
Salt Lake City, UT	CO	Maintenance	100	-	-6.68	-10.72	-15.38

Appendix B

Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.67	-10.61	-7.39
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.15	10.09
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.27	18.46
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.06	4.36
San Diego, CA	CO	Maintenance	100	-	0.07	0.64	44.14
San Diego, CA	Ozone	Former Subpart 1	50	-	0.07	0.64	44.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-55.14	-87.93	-79.13
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-55.13	-87.81	-70.81
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.42	-0.10	47.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.42	-0.09	47.76
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.42	-0.10	47.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.35
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.09	6.31
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.05	0.43	29.89
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	1.16
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.17
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.06	4.27
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.01	1.36
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.04	2.96
Spokane, WA	CO	Maintenance	100	-	0.00	0.04	2.92
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.12	8.42
Springfield, MA	CO	Maintenance	100	-	0.00	0.02	1.40
St. Louis, MO	CO	Maintenance	100	-	0.01	0.11	7.75
St. Louis, MO-IL	Ozone	Moderate	50	-	-107.39	-172.44	-253.88
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-107.39	-172.45	-254.06

Appendix B

Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.02	1.71
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.21
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.37
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.19	-0.29	0.34
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.19	-0.29	0.34
Stockton, CA	CO	Maintenance	100	-	0.01	0.07	5.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.07	4.70
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	1.14
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.50
Toledo, OH	Ozone	Maintenance	100	-	-24.97	-40.12	-60.31
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	1.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.99
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.85
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	0.02	0.15	10.10
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.07	4.93
Vancouver, WA	CO	Maintenance	100	-	0.01	0.05	3.28
Ventura County, CA	Ozone	Serious	50	-	-0.02	0.08	8.91
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	1.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.53
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.35
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.03	1.99
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.22	15.18

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Table B.1-39
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.08	0.79	54.34
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.08	0.77	53.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.03	2.34
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.61
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.43	-18.38	-29.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	1.28
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.28
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.06	3.95
Worcester, MA	CO	Maintenance	100	-	0.00	0.03	2.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.90
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.41
York, PA	Ozone	Maintenance	100	-	0.01	0.06	4.38
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	3.40
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.08	5.61
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	1.93

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.25	19.06
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.11	8.57
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.03	2.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.12	8.75
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	1.30
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	3.45
Anchorage, AK	CO	Maintenance	100	-	0.00	0.03	2.32
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.11
Atlanta, GA	Ozone	Moderate	50	-	0.17	1.44	107.89
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.17	1.44	107.93
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.70
Bakersfield, CA	CO	Maintenance	100	-	-0.66	-0.99	5.49
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.14
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.62	46.50
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.62	46.50
Baton Rouge, LA	Ozone	Moderate	50	-	-39.80	-64.53	-94.59
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-126.81	-205.90	-329.59
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.03	2.20
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.42
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.03	2.30
Billings, MT	CO	Maintenance	100	-	-21.08	-34.22	-54.61
Birmingham, AL	Ozone	Maintenance	100	-	-1.86	-2.87	9.01

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Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.86	-2.87	9.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.07	5.19
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.07	5.19
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.30
Boston, MA	CO	Maintenance	100	-	0.02	0.16	12.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	1.01	75.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.14	10.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.22	16.16
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.24
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.35
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.38	-5.45	-5.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.38	-5.45	-5.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.60
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.07
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.05	3.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.05	3.46
Charlotte, NC	CO	Maintenance	100	-	0.02	0.16	12.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.35	26.27
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.10	7.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.09	7.08
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-58.85	-94.41	-47.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-58.84	-94.36	-43.72
Chico, CA	CO	Maintenance	100	-	0.00	0.03	2.23
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.06	4.66
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.39	29.17

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**Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.38	28.23
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.15
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.36	26.70
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.06	4.13
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.03	2.52
Cleveland, OH	CO	Maintenance	100	-	0.02	0.15	11.35
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.48	35.63
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.44	32.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.16	12.22
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.72
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.13	9.93
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.13	9.67
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.37	27.42
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.34	25.53
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.15	11.35
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.13	9.79
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.18	1.57	117.57
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.15	11.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.13	9.79
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-25.77	-41.32	-19.09
Denver-Boulder, CO	CO	Maintenance	100	-	-25.77	-41.35	-21.27
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-25.75	-41.18	-8.90
Detroit, MI	CO	Maintenance	100	-	-20.79	-33.57	-37.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-25.94	-41.40	-1.40
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-25.94	-41.41	-2.66

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Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.58
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.48
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.40
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	1.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.15
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-46.68	-75.78	-120.54
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-14.12	-22.85	-29.83
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.45
Erie, PA	Ozone	Maintenance	100	-	0.00	0.04	3.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.05	3.57
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.05	3.43
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.05	3.61
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.06	4.55
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.29
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.06	4.32
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Flint, MI	Ozone	Maintenance	100	-	0.01	0.10	7.19
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.04	3.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.07	5.36
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.03	2.33
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	1.93
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.10	7.26

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.34
Fresno, CA	CO	Maintenance	100	-	0.01	0.13	9.71
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.17	12.83
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.50
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.57
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.22
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.30	22.83
Greeley, CO	CO	Maintenance	100	-	0.00	0.03	1.98
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	1.84
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.71
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.62
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.31	23.15
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.15	11.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.16	12.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.32
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	1.70
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.18	13.38
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.16	12.33
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.19	14.38
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.17
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.69
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.07
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.59
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.03	2.35
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	4.02
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-193.48	-313.29	-423.56
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-25.54	-41.44	-63.51
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-25.54	-41.47	-65.48
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.38
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.05	3.84
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.05	3.77
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.45
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.42	31.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.33	24.76
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	1.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	2.17
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	1.76
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.04	2.94
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	1.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.19
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.20
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.09	7.06
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.50
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.35	26.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.03	2.26
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.43
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.34
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.67

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.67
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.26	19.63
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.20	14.80
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.44
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.22
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.05	3.96
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.49
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.62
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.02	1.42
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.28
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.09	6.78
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.09	6.78
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.09	6.92
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	1.23
Las Vegas, NV	CO	Serious	100	-	0.04	0.36	26.70
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.36	26.98
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	1.15
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.15
Lima, OH	Ozone	Maintenance	100	-	-32.43	-52.66	-84.20
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	1.61
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.67

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-91.51	-145.97	2.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-91.51	-145.97	2.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-91.51	-145.97	2.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-91.51	-145.97	2.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-91.51	-145.97	2.87
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.15	11.33
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.21	15.73
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.20	14.96
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	1.82
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.05	3.84
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.00	0.78
Macon, GA	Ozone	Maintenance	100	-	0.00	0.04	2.63
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	2.60
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Madison, WI	SO _x	Maintenance	100	-	0.01	0.06	4.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.22
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.94
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	1.37
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.05	4.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	2.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.06	4.67
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.40
Medford, OR	CO	Maintenance	100	-	0.00	0.02	1.38
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	3.34
Memphis, TN-AR	Ozone	Maintenance	100	-	-9.98	-16.07	-13.27
Memphis, TN	CO	Maintenance	100	-	-9.98	-16.08	-14.23
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.51

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.06
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.09	7.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.35	26.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	0.60	44.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.58	43.31
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.94
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.91
Modesto, CA	CO	Maintenance	100	-	0.01	0.07	5.61
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.03	1.94
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.59
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.37
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	1.36
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.23
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.03	1.91
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.77
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.35	25.90
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.04	2.95
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.03	2.40
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.14	10.72
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.08
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.08	5.78
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-10.27	-15.49	82.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-14.04	-20.48	177.46
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-14.05	-20.51	175.47
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.63

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-36.11	-58.41	-72.98
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.97
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.26
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	1.81
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	1.95
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.96
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.32
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	1.31
Perth Amboy, NJ	CO	Maintenance	100	-	-3.87	-6.27	-8.76
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.06	4.81
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-55.93	-90.16	-85.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-56.02	-89.99	-55.41
Phoenix, AZ	CO	Maintenance	100	-	0.13	1.24	95.19
Phoenix, AZ	PM ₁₀	Serious	70	-	0.13	1.27	97.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.13	1.27	97.85
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.13
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.47
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.03	0.34	27.12
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.31	24.76
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.29
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Portland, ME	Ozone	Maintenance	100	-	0.01	0.11	8.20

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.18	-0.12	16.03
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.60
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.31	23.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.20	14.97
Provo, UT	CO	Maintenance	100	-	0.00	0.04	2.79
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.29	21.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.39	29.26
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.01	0.06	4.75
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	4.75
Reno, NV	CO	Maintenance	100	-	0.01	0.05	3.58
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.02	0.15	17.57
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.89
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.16	12.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.05	3.57
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	1.24
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.26	19.15
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.03	2.51
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.69
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.37	27.48
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.68	50.99
Sacramento, CA	CO	Maintenance	100	-	0.05	0.41	30.93
Salem, OR	CO	Maintenance	100	-	0.00	0.02	1.82
Salt Lake City, UT	CO	Maintenance	100	-	-9.03	-14.63	-20.56

Appendix B

Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.01	-14.46	-8.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.21	15.79
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.39	29.24
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.09	6.89
San Diego, CA	CO	Maintenance	100	-	0.12	0.98	73.56
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	0.98	73.70
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-74.51	-119.88	-91.58
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-74.49	-119.71	-78.73
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.55	0.00	80.45
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.55	0.00	80.63
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.55	0.00	80.45
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.58
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.13	9.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.64	47.55
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	1.82
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.30
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.27
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.09	6.48
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.01	1.67
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	4.68
Spokane, WA	CO	Maintenance	100	-	0.01	0.06	4.63
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.17	12.78
Springfield, MA	CO	Maintenance	100	-	0.00	0.03	2.25
St. Louis, MO	CO	Maintenance	100	-	0.02	0.14	10.58
St. Louis, MO-IL	Ozone	Moderate	50	-	-145.16	-235.34	-343.80
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-145.17	-235.35	-344.07

Appendix B

Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.04	2.73
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.36
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.52
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.25	-0.39	0.50
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.25	-0.39	0.50
Stockton, CA	CO	Maintenance	100	-	0.01	0.12	8.72
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.09	6.94
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	1.58
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.72
Toledo, OH	Ozone	Maintenance	100	-	-33.76	-54.75	-81.84
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	1.74
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	1.55
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	1.33
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Tucson, AZ	CO	Maintenance	100	-	0.03	0.22	16.29
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.11	7.95
Vancouver, WA	CO	Maintenance	100	-	0.01	0.07	5.42
Ventura County, CA	Ozone	Serious	50	-	-0.02	0.13	14.95
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	1.58
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.80
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.54
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.04	2.99
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.32	24.28

Appendix B

Table B.1-40
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.14	1.16	87.00
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	1.14	84.98
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.05	3.58
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.85
Wayne County, MI	PM ₁₀	Maintenance	100	-	-16.10	-26.13	-40.73
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	1.77
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.77
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.08	6.10
Worcester, MA	CO	Maintenance	100	-	0.01	0.05	3.63
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	1.40
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.69
York, PA	Ozone	Maintenance	100	-	0.01	0.09	6.89
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	5.33
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.11	7.95
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.04	3.17

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.42
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.10	0.20	2.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.20	2.17
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.03	0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.09	0.98
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.98
Baton Rouge, LA	Ozone	Moderate	50	-	-0.76	-1.00	-1.77
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.68	-3.56	-6.91
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.05
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	0.34

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Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.34
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.01	0.03	0.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.08	0.16	1.68
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.21
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.38
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.09
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.24
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.05	0.53
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.08	0.18	2.24
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.19	2.32
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.03	0.06	0.65

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Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.04	0.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.04	0.08	0.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.79
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.20
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.21
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.05	0.54
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.26
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.10	0.21	2.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.03	0.28
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.09	0.96
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.09	0.92
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.11	1.16
Detroit, MI	CO	Maintenance	100	-	0.02	0.05	0.54
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.07	0.14	1.53
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.07	0.14	1.50

Appendix B

Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.13

Appendix B

**Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.26
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.05	0.55
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.05	0.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.27
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.30
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.03	0.28
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.26
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	0.36
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-7.49	-9.92	-18.03
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.03	0.06	0.65
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.52
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.05	0.54
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.30
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.02	0.04	0.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.04	0.48
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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**Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.19	0.41	4.84
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.19	0.41	4.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.19	0.41	4.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.19	0.41	4.84
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.19	0.41	4.84
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.22
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	0.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.36
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	0.32
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.29
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.05	0.58
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.08	-0.08	0.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.04	0.08	0.91
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.00	0.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.12	0.24	2.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.23	0.45	4.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.23	0.45	4.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.05	0.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.92	-1.17	-1.11
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.88	-1.11	-0.42
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.13	1.44
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.14	1.49
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.14	1.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.03	0.06	0.67
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.61
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.18

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.01	0.34
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.04	0.44
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.03	0.32
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.04	0.42
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.05	0.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.40
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.47
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.08	0.84
Sacramento, CA	CO	Maintenance	100	-	0.02	0.05	0.52
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.05

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.32
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	0.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.06	0.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.14
San Diego, CA	CO	Maintenance	100	-	0.06	0.12	1.32
San Diego, CA	Ozone	Former Subpart 1	50	-	0.06	0.12	1.32
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.14	-1.45	-1.17
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.12	-1.42	-0.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.09	1.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.09	1.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.09	1.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.00	0.02	0.84
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.03	0.30
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.05
St. Louis, MO	CO	Maintenance	100	-	0.01	0.03	0.31
St. Louis, MO-IL	Ozone	Moderate	50	-	0.05	0.09	0.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.98

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.18
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.03	0.32
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.10
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.05	0.51

Appendix B

Table B.1-41
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.08	0.16	1.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.08	0.16	1.71
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.13
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.11	1.59
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.05	0.73
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.18
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.05	0.74
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.21
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.18
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.28	0.59	8.35
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.28	0.59	8.35
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.06
Bakersfield, CA	CO	Maintenance	100	-	-0.06	-0.08	0.35
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.13	0.26	3.73
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.26	3.73
Baton Rouge, LA	Ozone	Moderate	50	-	-1.69	-2.48	-3.45
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.00	-8.88	-14.72
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.22
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.18
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.09	1.26

Appendix B

Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.09	1.27
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.03	0.41
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.41
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.04	0.07	1.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.22	0.45	6.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.06	0.81
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.10	1.44
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.03	0.37
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.37
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.34
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.34
Charlotte, NC	CO	Maintenance	100	-	0.03	0.06	0.92
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.14	2.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.68
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.04	0.62
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.24	0.54	8.66
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.56	8.96
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.14
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.31
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.17	2.45

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.17	2.38
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.13	1.87
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.22
Cleveland, OH	CO	Maintenance	100	-	0.04	0.08	1.17
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.11	0.23	3.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.21	2.96
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.80
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.07
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.05	0.74
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.81
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.15	2.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.14	1.94
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.08	1.17
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.07	0.95
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.30	0.61	8.69
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.07	1.04
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.92
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.13	0.26	3.72
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.25	3.56
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.15	0.32	4.49
Detroit, MI	CO	Maintenance	100	-	0.07	0.14	1.98
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.20	0.41	5.76
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.19	0.40	5.66

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.25
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.04	0.61
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.04
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.28
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.29
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.27
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.32
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.41
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.37
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.02	0.05	0.65
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.22
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.03	0.45
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.19
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.16
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.52

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.02	0.05	0.74
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.07	1.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.07	0.14	2.05
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.15
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.15
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.06
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.07	0.14	2.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.07	1.00
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.08	1.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.08	1.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.98
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.09	1.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.37
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-16.73	-24.66	-35.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.00	0.33
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.16
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.27
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.27
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.18	2.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.14	1.98
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.19
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.15
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.27
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.14
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.04	0.63
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.15	2.08
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.18
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.06

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.10	1.48
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.08	1.15
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.38
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.08
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.04	0.56
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.56
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.04	0.59
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.12
Las Vegas, NV	CO	Serious	100	-	0.06	0.13	1.87
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.13	1.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.11
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.14
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.11
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.06

Appendix B

Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.56	1.21	18.81
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.56	1.21	18.81
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.56	1.21	18.81
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.56	1.21	18.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.56	1.21	18.81
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.06	0.86
Louisville, KY-IN	Ozone	Maintenance	100	-	0.05	0.10	1.40
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.10	1.36
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.14
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.37
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.26
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.26
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.31
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.10
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.39
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.40
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.10
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.23
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.07	1.21
Memphis, TN	CO	Maintenance	100	-	0.02	0.06	1.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.05	0.66
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.08	0.16	2.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.16	-0.17	2.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.12	0.25	3.49
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.08
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.39
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.14
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.16
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.08
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.02	0.01	1.81
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.17
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.07	0.98
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.04	0.57
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.33	0.69	9.74
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.63	1.30	18.50
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.62	1.29	18.34
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.07	0.14	1.96
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.09
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.18
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.12
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.03	0.49
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2.02	-2.88	-0.05
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.93	-2.70	2.54
Phoenix, AZ	CO	Maintenance	100	-	0.20	0.41	5.87
Phoenix, AZ	PM ₁₀	Serious	70	-	0.21	0.43	6.05
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.21	0.43	6.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.08	0.18	2.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.16	2.28
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.05	0.70

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.04	1.34
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.12	1.70
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.09	1.23
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.20
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.11	1.63
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.08	0.16	2.22
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.41
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.30
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.11	1.52
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.33
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Rochester, NY	Ozone	Former Subpart 1	50	-	0.06	0.12	1.67
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.23
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.15
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.13	1.86
Sacramento Metro, CA	Ozone	Severe	25	-	0.11	0.24	3.35
Sacramento, CA	CO	Maintenance	100	-	0.07	0.15	2.08
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.16
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.00	0.23

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.07	1.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.09	1.28
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.08	0.16	2.31
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.54
San Diego, CA	CO	Maintenance	100	-	0.18	0.36	5.18
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.37	5.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.49	-3.53	0.99
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.45	-3.45	2.05
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.11	0.28	5.47
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.12	0.29	5.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.11	0.28	5.47
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.06	0.83
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.10	3.44
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.15
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.04	0.56
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.22
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.37
Spokane, WA	CO	Maintenance	100	-	0.01	0.03	0.37
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.08	1.11
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.18
St. Louis, MO	CO	Maintenance	100	-	0.04	0.08	1.14
St. Louis, MO-IL	Ozone	Moderate	50	-	0.13	0.26	3.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.12	0.26	3.66

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Stockton, CA	CO	Maintenance	100	-	0.02	0.04	0.58
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.04	0.64
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.16
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.05	0.68
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.12
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.13
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.11
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.09	1.24
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.04	0.60
Vancouver, WA	CO	Maintenance	100	-	0.01	0.03	0.39
Ventura County, CA	Ozone	Serious	50	-	0.04	0.07	1.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.16
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.07
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.26
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.14	1.95

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Table B.1-42
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.23	0.47	6.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.22	0.46	6.58
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.30
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.19
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.19
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.51
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.27
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.05
York, PA	Ozone	Maintenance	100	-	0.02	0.04	0.55
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.43
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.06	0.79
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.23

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.25	0.41	6.37
Albuquerque, NM	CO	Maintenance	100	-	0.11	0.19	2.90
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.05	0.77
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.11	0.19	2.94
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.03	0.47
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.06	1.00
Anchorage, AK	CO	Maintenance	100	-	0.03	0.05	0.75
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Atlanta, GA	Ozone	Moderate	50	-	1.35	2.24	34.84
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.35	2.24	34.85
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.02	0.25
Bakersfield, CA	CO	Maintenance	100	-	-0.11	-0.17	1.83
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.05
Baltimore, MD	Ozone	Moderate	50	-	0.59	0.98	15.25
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.59	0.98	15.25
Baton Rouge, LA	Ozone	Moderate	50	-	-4.23	-6.79	-7.44
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-15.22	-24.46	-36.63
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.05	0.81
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.13
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.05	0.75
Billings, MT	CO	Maintenance	100	-	0.01	0.02	0.36
Birmingham, AL	Ozone	Maintenance	100	-	0.19	0.31	4.85

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.19	0.31	4.86
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.07	0.11	1.68
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.07	0.11	1.68
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Boston, MA	CO	Maintenance	100	-	0.16	0.27	4.15
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.98	1.64	25.39
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.13	0.21	3.32
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.22	0.36	5.56
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.09	1.38
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.09	1.38
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.21
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.08	1.26
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.08	1.26
Charlotte, NC	CO	Maintenance	100	-	0.15	0.25	3.86
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.33	0.55	8.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.10	0.17	2.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.09	0.16	2.42
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.24	2.07	35.42
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.29	2.15	36.63
Chico, CA	CO	Maintenance	100	-	0.02	0.04	0.64
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.09	1.42
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.38	0.62	9.78

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.36	0.60	9.47
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Clark County, NV	PM ₁₀	Serious	70	-	0.32	0.53	8.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.05	0.09	1.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.06	0.87
Cleveland, OH	CO	Maintenance	100	-	0.16	0.27	4.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.48	0.79	12.33
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.44	0.73	11.32
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.14	0.24	3.67
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.27
Colorado Springs, CO	CO	Maintenance	100	-	0.12	0.20	3.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.13	0.21	3.23
Columbus, OH	Ozone	Maintenance	100	-	0.34	0.57	8.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.32	0.53	8.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.16	0.27	4.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.14	0.22	3.49
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.44	2.40	37.22
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.15	0.25	3.93
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.22	3.46
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.61	1.01	15.72
Denver-Boulder, CO	CO	Maintenance	100	-	0.58	0.97	15.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.74	1.22	18.97
Detroit, MI	CO	Maintenance	100	-	0.28	0.46	7.13
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.88	1.47	22.77
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.87	1.44	22.35

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.19
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.14
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	0.38
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.04	0.06	0.97
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.10	0.16	2.47
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	0.15
Erie, PA	Ozone	Maintenance	100	-	0.04	0.07	1.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.08	1.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.07	1.12
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.08	1.23
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.10	1.57
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.09
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.06	0.09	1.46
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Flint, MI	Ozone	Maintenance	100	-	0.10	0.16	2.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.06	0.95
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.07	0.12	1.80
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.05	0.77
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.65
Fredericksburg, VA	Ozone	Maintenance	100	-	0.09	0.15	2.26

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Fresno, CA	CO	Maintenance	100	-	0.12	0.20	3.12
Grand Rapids, MI	Ozone	Maintenance	100	-	0.16	0.27	4.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.18
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.18
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	0.31	0.51	7.89
Greeley, CO	CO	Maintenance	100	-	0.02	0.04	0.64
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.04	0.62
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.24
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.22
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.31	0.51	7.90
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.15	0.25	3.87
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.17	0.27	4.27
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.04	0.57
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.17	0.28	4.38
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.26	4.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.20	0.32	5.04
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.21
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.02
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	0.19
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.83
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.09	1.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-42.04	-67.51	-79.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	1.29
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.03	0.62
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.13
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.08	1.20
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.08	1.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.16
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.40	0.66	10.21
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.31	0.52	8.11
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.38
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.75
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.04	0.60
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.07	1.03
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	0.43
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.47
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.16	2.43
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.33	0.55	8.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.05	0.74
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.40
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.12
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	0.23

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.23
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.24	0.40	6.27
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.19	0.31	4.78
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.09	1.41
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.17
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.18
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.03	0.39
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.10
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.09	0.15	2.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.15	2.26
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.09	0.15	2.34
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	0.44
Las Vegas, NV	CO	Serious	100	-	0.32	0.53	8.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.32	0.54	8.36
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	0.41
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Lima, OH	Ozone	Maintenance	100	-	0.02	0.03	0.51
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	0.50
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.23

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.86	4.76	78.79
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.86	4.76	78.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.86	4.76	78.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.86	4.76	78.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.86	4.76	78.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.14	0.23	3.63
Louisville, KY-IN	Ozone	Maintenance	100	-	0.21	0.35	5.42
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.33	5.20
Lowell, MA	CO	Maintenance	100	-	0.02	0.04	0.58
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.09	1.38
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.29
Macon, GA	Ozone	Maintenance	100	-	0.04	0.06	0.95
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.94
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.05	0.09	1.32
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	0.35
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	0.48
Marion County, IN	SO _x	Maintenance	100	-	0.06	0.09	1.46
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.65
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.10	1.57
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.13
Medford, OR	CO	Maintenance	100	-	0.02	0.03	0.43
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.07	1.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.15	0.24	4.57
Memphis, TN	CO	Maintenance	100	-	0.13	0.22	4.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.16

Appendix B

Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.10	0.16	2.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.34	0.57	8.86
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.15	-0.22	12.84
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.55	0.92	14.24
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	0.31
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.30
Modesto, CA	CO	Maintenance	100	-	0.07	0.11	1.73
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.04	0.59
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	0.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	0.13
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.03	0.51
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.08
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.04	0.64
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	0.28
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	0.18	7.86
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.06	0.86
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.05	0.74
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.14	0.24	3.74
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.13	2.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.46	2.43	37.77
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.83	4.70	72.93
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.80	4.65	72.28
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.21

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.30	0.49	7.66
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	0.34
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.34
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	0.57
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	0.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.69
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	0.47
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.03	0.44
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.11	1.76
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-4.77	-7.63	7.34
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-4.38	-6.97	17.59
Phoenix, AZ	CO	Maintenance	100	-	1.08	1.80	27.98
Phoenix, AZ	PM ₁₀	Serious	70	-	1.11	1.85	28.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.12	1.86	28.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	0.13
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.37	0.61	9.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.34	0.56	8.67
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.11	0.18	2.77

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.12	0.20	5.39
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.21
Poughkeepsie, NY	Ozone	Moderate	50	-	0.28	0.47	7.34
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Providence (entire State), RI	Ozone	Moderate	50	-	0.19	0.32	4.96
Provo, UT	CO	Maintenance	100	-	0.03	0.06	0.88
Raleigh-Durham, NC	CO	Maintenance	100	-	0.27	0.44	6.89
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.36	0.60	9.36
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.06	0.10	1.62
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	1.62
Reno, NV	CO	Maintenance	100	-	0.05	0.08	1.21
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.23	0.39	6.00
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.27
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.14	0.24	3.67
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.08	1.24
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	0.41
Rochester, NY	Ozone	Former Subpart 1	50	-	0.25	0.42	6.52
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.06	0.88
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.58
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.33	0.54	8.39
Sacramento Metro, CA	Ozone	Severe	25	-	0.60	0.99	15.38
Sacramento, CA	CO	Maintenance	100	-	0.37	0.61	9.43
Salem, OR	CO	Maintenance	100	-	0.02	0.04	0.63
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	0.99

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.16	0.27	5.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.20	0.34	5.21
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.37	0.61	9.54
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.09	0.14	2.25
San Diego, CA	CO	Maintenance	100	-	0.88	1.47	22.80
San Diego, CA	Ozone	Former Subpart 1	50	-	0.89	1.47	22.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-5.71	-9.11	16.06
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-5.54	-8.83	20.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.78	1.31	24.77
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.78	1.31	24.84
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.78	1.31	24.77
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.18
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.13	0.21	3.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.32	0.55	14.73
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.04	0.60
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.09
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.09	0.14	2.20
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.05	0.73
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.06	0.10	1.53
Spokane, WA	CO	Maintenance	100	-	0.06	0.10	1.51
Springfield (western MA), MA	Ozone	Moderate	50	-	0.17	0.28	4.35
Springfield, MA	CO	Maintenance	100	-	0.03	0.05	0.73
St. Louis, MO	CO	Maintenance	100	-	0.16	0.26	4.00
St. Louis, MO-IL	Ozone	Moderate	50	-	0.54	0.90	13.96
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.54	0.89	13.87

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Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.06	0.88
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	0.19
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.03	0.43
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.43
Stockton, CA	CO	Maintenance	100	-	0.10	0.17	2.61
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.16	2.43
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.04	0.59
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.26
Toledo, OH	Ozone	Maintenance	100	-	0.10	0.17	2.58
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	0.54
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.03	0.51
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	0.44
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.20	0.34	5.22
Utah County, UT	PM ₁₀	Moderate	100	-	0.10	0.16	2.55
Vancouver, WA	CO	Maintenance	100	-	0.07	0.11	1.69
Ventura County, CA	Ozone	Serious	50	-	0.18	0.30	4.64
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.59
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	0.27
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	0.18
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.07	1.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.30	0.50	7.84

Table B.1-43
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.09	1.81	28.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.06	1.77	27.44
Washoe County, NV	PM ₁₀	Serious	70	-	0.05	0.08	1.21
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.32
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.03	0.41
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.05
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	0.66
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.66
Winston-Salem, NC	CO	Maintenance	100	-	0.08	0.13	2.04
Worcester, MA	CO	Maintenance	100	-	0.04	0.07	1.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.47
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	0.21
York, PA	Ozone	Maintenance	100	-	0.09	0.15	2.26
York, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.11	1.75
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.11	0.19	2.90
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.06	1.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.54	0.85	10.04
Albuquerque, NM	CO	Maintenance	100	-	0.24	0.38	4.51
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.11	1.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.25	0.39	4.61
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.06	0.68
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.15	1.82
Anchorage, AK	CO	Maintenance	100	-	0.07	0.10	1.22
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Atlanta, GA	Ozone	Moderate	50	-	3.05	4.81	56.84
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.05	4.81	56.86
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	0.37
Bakersfield, CA	CO	Maintenance	100	-	-0.06	-0.11	3.15
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.07
Baltimore, MD	Ozone	Moderate	50	-	1.32	2.07	24.50
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.32	2.07	24.50
Baton Rouge, LA	Ozone	Moderate	50	-	-5.60	-9.10	-9.41
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.52	-33.31	-49.68
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.06	0.10	1.16
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.10	1.21
Billings, MT	CO	Maintenance	100	-	0.03	0.05	0.56
Birmingham, AL	Ozone	Maintenance	100	-	0.40	0.62	7.36

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.40	0.63	7.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.15	0.23	2.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.15	0.23	2.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
Boston, MA	CO	Maintenance	100	-	0.35	0.54	6.44
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.14	3.38	39.93
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.29	0.45	5.33
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.46	0.72	8.51
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.13
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.11	0.18	2.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.18	2.07
Case County, MI	Ozone	Maintenance	100	-	0.02	0.03	0.32
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.15	1.82
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.15	1.82
Charlotte, NC	CO	Maintenance	100	-	0.34	0.54	6.33
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.74	1.17	13.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.22	0.34	4.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.20	0.32	3.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.88	4.52	56.67
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.98	4.69	58.60
Chico, CA	CO	Maintenance	100	-	0.06	0.10	1.17
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.21	2.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.82	1.29	15.36

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.79	1.25	14.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Clark County, NV	PM ₁₀	Serious	70	-	0.76	1.19	14.07
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.12	0.18	2.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.11	1.33
Cleveland, OH	CO	Maintenance	100	-	0.32	0.51	5.98
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.01	1.59	18.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.92	1.45	17.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.35	0.54	6.44
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	0.38
Colorado Springs, CO	CO	Maintenance	100	-	0.28	0.44	5.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.27	0.43	5.10
Columbus, OH	Ozone	Maintenance	100	-	0.78	1.22	14.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.72	1.14	13.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.32	0.51	5.98
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.28	0.44	5.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.33	5.24	61.94
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.32	0.50	5.88
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.28	0.44	5.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.39	2.19	25.91
Denver-Boulder, CO	CO	Maintenance	100	-	1.33	2.10	24.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.68	2.65	31.27
Detroit, MI	CO	Maintenance	100	-	0.50	0.79	9.33
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.91	3.00	35.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.87	2.95	34.83

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	0.31
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.25
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.21
Duluth, MN	CO	Maintenance	100	-	0.03	0.05	0.56
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.08	0.12	1.45
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.21	0.33	3.95
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	0.23
Erie, PA	Ozone	Maintenance	100	-	0.09	0.14	1.62
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.16	1.88
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.10	0.15	1.81
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.16	1.90
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.20	2.40
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	0.15
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	0.19	2.27
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Flint, MI	Ozone	Maintenance	100	-	0.20	0.32	3.79
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.09	0.13	1.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.15	0.24	2.82
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.10	1.23
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.09	1.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.21	0.32	3.82

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	0.18
Fresno, CA	CO	Maintenance	100	-	0.27	0.43	5.12
Grand Rapids, MI	Ozone	Maintenance	100	-	0.36	0.57	6.76
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.26
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.30
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	0.12
Greater Connecticut, CT	Ozone	Moderate	50	-	0.65	1.02	12.03
Greeley, CO	CO	Maintenance	100	-	0.06	0.09	1.04
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.08	0.97
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	0.37
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	0.33
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.65	1.03	12.20
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.32	0.50	5.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.35	0.55	6.45
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	0.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.08	0.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.38	0.60	7.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.55	6.49
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.41	0.64	7.58
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.03	0.31
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.10	1.24
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.11	0.18	2.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-52.82	-85.83	-94.22
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	1.93
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.89
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.20
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.17	2.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.17	1.98
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.24
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.88	1.39	16.39
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.70	1.10	13.05
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.05	0.58
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.10	1.14
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.08	0.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.08	0.13	1.55
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.05	0.57
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.62
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.20	0.31	3.72
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.26
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.74	1.16	13.71
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.10	1.19
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.62
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	0.36

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.36
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.56	0.88	10.34
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.42	0.66	7.80
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Lake County, IN	SO _x	Maintenance	100	-	0.11	0.18	2.09
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.03	0.33
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.06	0.75
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.19	0.30	3.57
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.30	3.57
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.20	0.31	3.65
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.05	0.65
Las Vegas, NV	CO	Serious	100	-	0.76	1.19	14.07
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.76	1.20	14.21
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.05	0.61
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Lima, OH	Ozone	Maintenance	100	-	0.04	0.07	0.78
Longmont, CO	CO	Maintenance	100	-	0.05	0.07	0.85
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.35

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Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	6.65	10.47	128.64
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	6.65	10.47	128.64
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	6.65	10.47	128.64
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	6.65	10.47	128.64
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	6.65	10.47	128.64
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.32	0.50	5.97
Louisville, KY-IN	Ozone	Maintenance	100	-	0.44	0.70	8.29
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.42	0.67	7.88
Lowell, MA	CO	Maintenance	100	-	0.05	0.08	0.96
Lucas County, OH	SO _x	Maintenance	100	-	0.11	0.17	2.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.04	0.42
Macon, GA	Ozone	Maintenance	100	-	0.07	0.12	1.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.12	1.37
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.12	0.19	2.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.12
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	0.49
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.06	0.72
Marion County, IN	SO _x	Maintenance	100	-	0.12	0.18	2.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.10	1.13
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.21	2.46
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.21
Medford, OR	CO	Maintenance	100	-	0.04	0.06	0.73
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.15	1.76
Memphis, TN-AR	Ozone	Maintenance	100	-	0.32	0.51	6.80
Memphis, TN	CO	Maintenance	100	-	0.30	0.47	6.30
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.27

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.20	0.32	3.74
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.75	1.18	13.96
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.29	0.40	21.02
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.23	1.93	22.82
Missoula, MT	CO	Maintenance	100	-	0.03	0.04	0.50
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.04	0.48
Modesto, CA	CO	Maintenance	100	-	0.16	0.25	2.96
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.09	1.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.02	0.03	0.31
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	0.20
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.06	0.72
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.09	1.01
Nashua, NH	CO	Maintenance	100	-	0.02	0.03	0.40
Nashville, TN	Ozone	Former Subpart 1	50	-	0.44	0.68	12.90
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.08	0.13	1.56
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.11	1.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.30	0.48	5.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.04
New York County, NY	PM ₁₀	Moderate	100	-	0.16	0.26	3.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.11	4.90	57.95
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.09	9.61	113.50
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.04	9.52	112.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.33

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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.64	1.00	11.85
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	0.51
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	0.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	0.95
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.09	1.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.09	1.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.17
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.06	0.69
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	0.07	0.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.14	0.21	2.53
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-5.81	-9.51	13.70
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-4.95	-8.15	29.72
Phoenix, AZ	CO	Maintenance	100	-	2.69	4.25	50.18
Phoenix, AZ	PM ₁₀	Serious	70	-	2.76	4.36	51.46
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.77	4.37	51.58
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	0.25
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.77	1.21	14.31
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.70	1.11	13.06
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.15
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.23	0.37	4.32

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.34	0.53	8.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.31
Poughkeepsie, NY	Ozone	Moderate	50	-	0.66	1.04	12.28
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.42	0.67	7.89
Provo, UT	CO	Maintenance	100	-	0.08	0.12	1.47
Raleigh-Durham, NC	CO	Maintenance	100	-	0.61	0.96	11.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.83	1.30	15.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.13	0.21	2.50
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.21	2.50
Reno, NV	CO	Maintenance	100	-	0.10	0.16	1.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.50	0.79	9.33
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	0.47
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.35	0.54	6.44
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.10	0.16	1.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.06	0.65
Rochester, NY	Ozone	Former Subpart 1	50	-	0.54	0.85	10.09
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	0.11	1.32
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.89
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.78	1.23	14.48
Sacramento Metro, CA	Ozone	Severe	25	-	1.44	2.27	26.86
Sacramento, CA	CO	Maintenance	100	-	0.87	1.38	16.29
Salem, OR	CO	Maintenance	100	-	0.05	0.08	0.96
Salt Lake City, UT	CO	Maintenance	100	-	0.04	0.06	1.61

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.40	0.62	8.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.45	0.70	8.32
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.83	1.30	15.41
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.19	0.31	3.63
San Diego, CA	CO	Maintenance	100	-	2.08	3.28	38.75
San Diego, CA	Ozone	Former Subpart 1	50	-	2.08	3.29	38.83
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-6.50	-10.68	31.57
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-6.14	-10.11	38.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.06	3.23	42.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.06	3.24	42.74
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.06	3.23	42.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.31
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.27	0.43	5.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.99	1.55	24.16
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.08	0.96
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	0.16
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	0.14
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.18	0.29	3.41
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.08	0.91
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.13	0.21	2.47
Spokane, WA	CO	Maintenance	100	-	0.13	0.21	2.44
Springfield (western MA), MA	Ozone	Moderate	50	-	0.36	0.57	6.73
Springfield, MA	CO	Maintenance	100	-	0.06	0.10	1.18
St. Louis, MO	CO	Maintenance	100	-	0.30	0.47	5.57
St. Louis, MO-IL	Ozone	Moderate	50	-	1.13	1.77	20.97
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.12	1.76	20.83

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.08	0.12	1.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.19
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.27
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.03	0.05	0.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.61
Stockton, CA	CO	Maintenance	100	-	0.25	0.39	4.59
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.20	0.31	3.65
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.07	0.83
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	0.38
Toledo, OH	Ozone	Maintenance	100	-	0.21	0.33	3.88
Toms River, NJ	CO	Maintenance	100	-	0.05	0.08	0.92
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.07	0.82
Trenton, NJ	CO	Maintenance	100	-	0.04	0.06	0.70
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	0.46	0.73	8.58
Utah County, UT	PM ₁₀	Moderate	100	-	0.22	0.35	4.19
Vancouver, WA	CO	Maintenance	100	-	0.15	0.24	2.86
Ventura County, CA	Ozone	Serious	50	-	0.43	0.67	7.94
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.07	0.83
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.04	0.42
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	0.28
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.08	0.13	1.58
Washington, DC-MD-VA	CO	Maintenance	100	-	0.69	1.08	12.79

Appendix B

Table B.1-44
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.46	3.88	45.83
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.40	3.79	44.77
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.16	1.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.05	0.08	0.95
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.05	0.08	0.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.93
Winston-Salem, NC	CO	Maintenance	100	-	0.17	0.27	3.21
Worcester, MA	CO	Maintenance	100	-	0.10	0.16	1.91
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.06	0.74
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	0.36
York, PA	Ozone	Maintenance	100	-	0.19	0.31	3.63
York, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.24	2.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.22	0.35	4.19
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.14	1.67

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.13	0.18	0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.27	0.36	0.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.28	0.37	0.11
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	83.42	111.81	31.85
Albuquerque, NM	CO	Maintenance	100	-	38.66	51.82	14.79
Allegan County, MI	Ozone	Former Subpart 1	50	-	9.31	12.48	3.56
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	38.72	51.89	14.70
Altoona, PA	Ozone	Maintenance	100	-	6.83	9.16	2.61
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	10.05	13.47	3.84
Anchorage, AK	CO	Maintenance	100	-	9.04	12.12	3.46
Anthony, NM	PM ₁₀	Moderate	100	-	0.50	0.66	0.19
Armstrong County, PA	SO _x	Nonattainment	100	-	0.32	0.43	0.12
Aspen, CO	PM ₁₀	Maintenance	100	-	0.45	0.61	0.17
Atlanta, GA	Ozone	Moderate	50	-	430.59	577.17	164.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	430.84	577.51	164.58
Atlantic City, NJ	CO	Maintenance	100	-	3.40	4.56	1.30
Bakersfield, CA	CO	Maintenance	100	-	27.54	36.89	9.53
Baltimore, MD	CO	Maintenance	100	-	0.66	0.89	0.24
Baltimore, MD	Ozone	Moderate	50	-	193.28	259.07	73.41
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	193.28	259.06	73.41
Baton Rouge, LA	Ozone	Moderate	50	-	-27.85	-40.41	-117.77
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-37.58	-53.02	-106.30
Benton County, TN	SO _x	Maintenance	100	-	0.08	0.10	0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	12.15	16.29	4.64
Benzie County, MI	Ozone	Maintenance	100	-	1.43	1.92	0.55
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	9.49	12.72	3.63
Billings, MT	CO	Maintenance	100	-	-8.04	-11.31	-21.48
Birmingham, AL	Ozone	Maintenance	100	-	66.60	89.25	24.71

Appendix B

Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	66.81	89.53	24.79
Boise-Northern Ada County, ID	CO	Maintenance	100	-	20.77	27.83	7.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	20.77	27.83	7.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.05	1.41	0.40
Boston, MA	CO	Maintenance	100	-	56.17	75.29	21.49
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	333.67	447.26	127.67
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	42.08	56.40	16.10
Boyd County (part), KY	SO _x	Maintenance	100	-	0.65	0.87	0.25
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	76.14	102.06	29.13
Burlington, NJ	CO	Maintenance	100	-	0.56	0.75	0.21
Butte, MT	PM ₁₀	Moderate	100	-	1.42	1.90	0.54
Canon City, CO	PM ₁₀	Maintenance	100	-	1.24	1.66	0.47
Canton-Massillon, OH	Ozone	Maintenance	100	-	16.34	21.77	1.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	16.34	21.77	1.61
Case County, MI	Ozone	Maintenance	100	-	2.89	3.87	1.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.04	0.06	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.43	0.58	0.17
Charleston, WV	Ozone	Maintenance	100	-	18.60	24.93	7.12
Charleston, WV	PM _{2.5}	Nonattainment	100	-	18.60	24.93	7.12
Charlotte, NC	CO	Maintenance	100	-	47.23	63.32	18.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	106.13	142.26	40.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	36.05	48.32	13.79
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	32.72	43.85	12.51
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	361.66	480.78	-0.78
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	377.30	501.74	5.21
Chico, CA	CO	Maintenance	100	-	6.67	8.94	2.55
Chico, CA	Ozone	Former Subpart 1	50	-	15.60	20.91	5.97
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	128.86	172.73	49.31

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	125.18	167.79	47.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.94	1.26	0.36
Clark County, NV	PM ₁₀	Serious	70	-	94.60	126.80	36.20
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	16.73	22.43	6.40
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	11.90	15.95	4.55
Cleveland, OH	CO	Maintenance	100	-	63.19	84.70	24.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	170.23	228.18	65.13
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	157.19	210.70	60.15
Coachella Valley, CA	PM ₁₀	Serious	70	-	39.60	53.08	15.15
Colbert County, AL	SO _x	Maintenance	100	-	4.04	5.41	1.54
Colorado Springs, CO	CO	Maintenance	100	-	37.10	49.71	13.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.35	0.47	0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	42.57	57.07	16.29
Columbus, OH	Ozone	Maintenance	100	-	107.84	144.55	41.26
Columbus, OH	PM _{2.5}	Nonattainment	100	-	99.94	133.96	38.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.22	0.30	0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	63.19	84.70	24.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	51.48	69.01	19.70
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	443.83	594.91	169.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	55.59	74.52	21.27
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	49.19	65.94	18.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	183.72	245.96	59.72
Denver-Boulder, CO	CO	Maintenance	100	-	175.43	234.84	56.54
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	222.92	298.51	74.70
Detroit, MI	CO	Maintenance	100	-	103.93	139.20	35.64
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	299.57	401.40	109.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	293.94	393.86	107.11

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	2.38	3.19	0.91
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.33	3.12	0.89
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.83	2.46	0.70
Duluth, MN	CO	Maintenance	100	-	5.45	7.30	2.08
Eagle River, AK	PM ₁₀	Moderate	100	-	0.54	0.73	0.21
East Chicago, IN	CO	Maintenance	100	-	0.07	0.10	0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-35.63	-49.79	-84.39
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.07	0.09	0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	27.57	36.79	4.97
El Paso, TX	CO	Maintenance	100	-	2.05	2.75	0.78
Erie, PA	Ozone	Maintenance	100	-	15.13	20.28	5.79
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.10	0.13	0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	14.94	20.03	5.72
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	14.27	19.13	5.46
Evansville, IN	Ozone	Maintenance	100	-	16.67	22.35	6.38
Evansville, IN	PM _{2.5}	Nonattainment	100	-	21.49	28.81	8.22
Fairbanks, AK	CO	Maintenance	100	-	1.10	1.48	0.42
Fayetteville, NC	Ozone	Former Subpart 1	50	-	19.32	25.90	7.39
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.46	0.61	0.17
Flint, MI	Ozone	Maintenance	100	-	34.34	46.03	13.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.08	0.10	0.03
Fort Collins, CO	CO	Maintenance	100	-	11.21	15.02	4.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.05	0.07	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	23.88	32.00	9.14
Franklin County, PA	Ozone	Maintenance	100	-	9.88	13.25	3.78
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.05	0.07	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	8.53	11.44	3.27
Fredericksburg, VA	Ozone	Maintenance	100	-	26.22	35.14	10.03

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.09	1.46	0.42
Fresno, CA	CO	Maintenance	100	-	37.53	50.30	14.24
Grand Rapids, MI	Ozone	Maintenance	100	-	52.40	70.23	20.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.74	3.67	1.04
Grant County, NM	SO _x	Maintenance	100	-	0.18	0.24	0.07
Grants Pass, OR	CO	Maintenance	100	-	0.03	0.04	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.09	2.80	0.80
Great Falls, MT	CO	Maintenance	100	-	1.33	1.78	0.51
Greater Connecticut, CT	Ozone	Moderate	50	-	108.54	145.49	41.39
Greeley, CO	CO	Maintenance	100	-	7.93	10.64	3.04
Green Bay, WI	SO _x	Maintenance	100	-	7.99	10.71	3.06
Greene County, IN	Ozone	Maintenance	100	-	3.18	4.27	1.22
Greene County, PA	Ozone	Maintenance	100	-	3.01	4.03	1.15
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	106.64	142.94	40.61
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	52.84	70.82	20.03
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	59.33	79.52	22.50
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.48	1.99	0.57
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	7.51	10.06	2.87
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	55.29	74.12	21.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	51.06	68.44	19.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	70.48	94.48	26.82
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.64	0.85	0.24
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.48	3.32	0.95
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.32	0.43	0.12
Hazelwood, PA	SO _x	Maintenance	100	-	2.65	3.55	1.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	11.87	15.91	4.54
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	19.42	26.04	7.43
Hollis Township, IL	SO _x	Maintenance	100	-	0.16	0.22	0.06

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**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	259.17	343.06	-51.66
Humphreys County, TN	SO _x	Maintenance	100	-	0.18	0.24	0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-28.42	-40.10	-80.75
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-37.56	-52.35	-84.25
Huron County, MI	Ozone	Maintenance	100	-	1.89	2.53	0.72
Imperial County, CA	Ozone	Moderate	50	-	13.84	18.55	5.30
Imperial Valley, CA	PM ₁₀	Serious	70	-	13.53	18.13	5.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.22	2.97	0.85
Indianapolis, IN	CO	Maintenance	100	-	0.07	0.09	0.03
Indianapolis, IN	Ozone	Maintenance	100	-	129.81	174.00	49.67
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	102.80	137.80	39.34
Jackson County, IN	Ozone	Maintenance	100	-	5.23	7.01	2.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	10.24	13.73	3.92
Jefferson County, NY	Ozone	Moderate	50	-	8.13	10.89	3.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.53	0.71	0.20
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	14.36	19.26	5.50
Johnstown, PA	Ozone	Maintenance	100	-	6.94	9.30	2.66
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	7.60	10.19	2.91
Juneau, AK	PM ₁₀	Moderate	100	-	0.67	0.90	0.26
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	33.28	44.61	12.73
Kalispell, MT	PM ₁₀	Moderate	100	-	1.87	2.51	0.72
Kansas City, MO-KS	Ozone	Maintenance	100	-	107.38	143.92	40.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	9.26	12.42	3.54
Kent, WA	PM ₁₀	Maintenance	100	-	1.59	2.13	0.61
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	5.42	7.27	2.08
Kewaunee County, WI	Ozone	Maintenance	100	-	1.63	2.19	0.62
King County, WA	PM ₁₀	Maintenance	100	-	0.66	0.88	0.25
Klamath Falls, OR	CO	Maintenance	100	-	3.27	4.39	1.25

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.27	4.39	1.25
Knoxville, TN	Ozone	Former Subpart 1	50	-	76.03	101.92	29.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	59.16	79.29	22.63
La Porte County, IN	SO _x	Maintenance	100	-	2.32	3.12	0.89
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.99	1.32	0.38
Lake County, IN	SO _x	Maintenance	100	-	20.14	26.99	7.50
Lake County, OH	SO _x	Maintenance	100	-	2.36	3.16	0.90
Lake County, OR	PM ₁₀	Maintenance	100	-	0.41	0.54	0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.77	2.38	0.68
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	3.77	5.05	1.44
Lake Tahoe, NV	CO	Maintenance	100	-	1.32	1.77	0.51
Lamar, CO	PM ₁₀	Maintenance	100	-	0.59	0.79	0.22
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.10	0.13	0.04
Lancaster, PA	Ozone	Maintenance	100	-	29.29	39.26	11.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	29.29	39.26	11.13
Lane County, OR	PM ₁₀	Moderate	100	-	0.10	0.13	0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	31.26	41.90	11.96
LaPorte, IN	Ozone	Maintenance	100	-	6.52	8.74	2.49
Las Vegas, NV	CO	Serious	100	-	94.60	126.80	36.20
Las Vegas, NV	Ozone	Former Subpart 1	50	-	96.08	128.78	36.76
Lauderdale County, AL	SO _x	Maintenance	100	-	5.86	7.85	2.24
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.11	0.15	0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.29	0.40	0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.39	0.53	0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.94	1.26	0.36
Lima, OH	Ozone	Maintenance	100	-	-1.75	-2.72	-13.55
Longmont, CO	CO	Maintenance	100	-	5.79	7.76	2.21
Lorain County, OH	SO _x	Maintenance	100	-	3.01	4.03	1.15

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**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	905.05	1,209.98	235.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	905.05	1,209.98	235.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	905.05	1,209.98	235.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	905.06	1,210.00	235.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	905.00	1,209.92	235.83
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	44.28	59.35	16.94
Louisville, KY-IN	Ozone	Maintenance	100	-	74.49	99.84	28.50
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	72.27	96.87	27.65
Lowell, MA	CO	Maintenance	100	-	7.35	9.86	2.81
Lucas County, OH	SO _x	Maintenance	100	-	19.97	26.77	7.64
Lyons Township, IL	PM ₁₀	Maintenance	100	-	4.15	5.56	1.59
Macon, GA	Ozone	Maintenance	100	-	14.06	18.85	5.38
Macon, GA	PM _{2.5}	Nonattainment	100	-	13.92	18.65	5.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.19	0.26	0.07
Madison, WI	SO _x	Maintenance	100	-	15.56	20.86	5.95
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.57	0.76	0.22
Manchester, NH	CO	Maintenance	100	-	5.16	6.92	1.98
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	6.72	9.01	2.57
Marion County, IN	SO _x	Maintenance	100	-	20.84	27.94	7.97
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	6.97	9.35	2.67
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	20.87	27.98	7.99
Mason County, MI	Ozone	Maintenance	100	-	1.72	2.30	0.66
Medford, OR	CO	Maintenance	100	-	4.92	6.60	1.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	11.72	15.71	4.49
Memphis, TN-AR	Ozone	Maintenance	100	-	62.25	83.27	17.73
Memphis, TN	CO	Maintenance	100	-	56.83	76.00	15.66
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.87	2.51	0.72

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**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.35	0.47	0.13
Milwaukee, WI	SO _x	Maintenance	100	-	35.17	47.15	13.46
Milwaukee-Racine, WI	Ozone	Moderate	50	-	116.18	155.73	44.45
Minneapolis-St Paul, MN	CO	Maintenance	100	-	78.42	100.65	-125.77
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	181.21	242.89	68.76
Missoula, MT	CO	Maintenance	100	-	3.78	5.06	1.16
Missoula, MT	PM ₁₀	Moderate	100	-	3.66	4.90	1.12
Modesto, CA	CO	Maintenance	100	-	19.27	25.83	7.37
Mohave County, AZ	PM ₁₀	Maintenance	100	-	6.46	8.66	2.47
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.09	0.12	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.22	0.30	0.08
Morristown, NJ	CO	Maintenance	100	-	2.07	2.77	0.79
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.94	2.60	0.74
Muncie, IN	Ozone	Maintenance	100	-	7.84	10.51	3.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.28	0.38	0.11
Muscatine County, IA	SO _x	Maintenance	100	-	0.99	1.33	0.38
Muskegon, MI	Ozone	Maintenance	100	-	8.45	11.32	3.22
Nashua, NH	CO	Maintenance	100	-	4.11	5.51	1.57
Nashville, TN	Ozone	Former Subpart 1	50	-	105.49	141.40	40.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	8.50	11.39	3.25
New Haven County, CT	PM ₁₀	Maintenance	100	-	8.91	11.94	3.41
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	52.05	69.77	19.91
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.40	0.54	0.15
New York County, NY	PM ₁₀	Moderate	100	-	30.60	41.01	11.71
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	511.62	685.61	189.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	967.64	1,296.80	361.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	959.53	1,285.93	358.05
Nogales, AZ	PM ₁₀	Moderate	100	-	2.64	3.54	1.01

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-218.88	-306.71	-546.98
Ogden, UT	CO	Maintenance	100	-	4.65	6.23	1.78
Ogden, UT	PM ₁₀	Moderate	100	-	4.65	6.23	1.78
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.16	0.22	0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.41	1.89	0.54
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	6.82	9.15	2.61
Owens Valley, CA	PM ₁₀	Serious	70	-	0.24	0.32	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	9.63	12.91	3.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	9.69	12.99	3.71
Payson, AZ	PM ₁₀	Maintenance	100	-	1.25	1.68	0.48
Penns Grove, NJ	CO	Maintenance	100	-	0.03	0.04	0.01
Peoria, IL	SO _x	Maintenance	100	-	6.65	8.91	2.52
Perth Amboy, NJ	CO	Maintenance	100	-	2.89	3.79	-1.85
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	26.26	35.20	10.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	231.89	308.34	1.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	368.10	490.92	53.98
Phoenix, AZ	CO	Maintenance	100	-	286.69	384.29	109.52
Phoenix, AZ	PM ₁₀	Serious	70	-	295.79	396.48	113.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	296.85	397.90	113.40
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.71	0.95	0.27
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.09	0.12	0.03
Pittsburgh, PA	CO	Maintenance	100	-	1.47	1.97	0.56
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	132.72	177.89	50.63
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	121.27	162.54	46.25
Polk County, TN	SO _x	Maintenance	100	-	1.39	1.86	0.53
Polson, MT	PM ₁₀	Moderate	100	-	0.19	0.25	0.07
Portland, ME	Ozone	Maintenance	100	-	36.35	48.72	13.42

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Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	75.86	101.67	28.57
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	2.90	3.89	1.11
Poughkeepsie, NY	Ozone	Moderate	50	-	86.67	116.17	33.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.62	0.83	0.24
Providence (entire State), RI	Ozone	Moderate	50	-	63.52	85.13	23.69
Provo, UT	CO	Maintenance	100	-	10.32	13.83	3.95
Raleigh-Durham, NC	CO	Maintenance	100	-	83.30	111.65	31.76
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	113.74	152.46	43.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.13	0.17	0.05
Reading, PA	Ozone	Maintenance	100	-	21.90	29.36	8.38
Reading, PA	PM _{2.5}	Nonattainment	100	-	21.90	29.36	8.38
Reno, NV	CO	Maintenance	100	-	15.97	21.41	6.11
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.06	0.08	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	80.20	107.50	30.53
Rillito, AZ	PM ₁₀	Moderate	100	-	3.05	4.09	1.17
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	39.60	53.08	15.15
Roanoke, VA	Ozone	Former Subpart 1	50	-	17.37	23.28	6.65
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	5.19	6.96	1.99
Rochester, NY	Ozone	Former Subpart 1	50	-	87.91	117.84	33.64
Rocky Mount, NC	Ozone	Maintenance	100	-	12.32	16.52	4.72
Rome, GA	PM _{2.5}	Nonattainment	100	-	7.91	10.61	3.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.07	0.10	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.17	0.22	0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	93.32	125.09	35.71
Sacramento Metro, CA	Ozone	Severe	25	-	165.77	222.19	62.64
Sacramento, CA	CO	Maintenance	100	-	103.66	138.94	39.56
Salem, OR	CO	Maintenance	100	-	8.65	11.59	3.31
Salt Lake City, UT	CO	Maintenance	100	-	12.51	16.72	3.02

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	65.56	87.83	23.32
Salt Lake County, UT	SO _x	Nonattainment	100	-	66.79	89.53	25.56
San Antonio, TX	Ozone	Former Subpart 1	50	-	119.83	160.62	45.67
San Bernardino County, CA	PM ₁₀	Moderate	100	-	27.43	36.76	10.49
San Diego, CA	CO	Maintenance	100	-	261.52	350.55	100.06
San Diego, CA	Ozone	Former Subpart 1	50	-	262.00	351.19	100.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	392.36	525.23	125.61
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	447.62	599.30	146.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	284.15	380.85	107.53
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	285.47	382.62	108.03
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	284.15	380.85	107.53
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.12	2.85	0.81
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.06	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	43.96	58.92	16.82
Seattle-Tacoma, WA	CO	Maintenance	100	-	192.37	257.86	73.61
Sheboygan, WI	Ozone	Moderate	50	-	7.71	10.33	2.95
Sheridan, WY	PM ₁₀	Moderate	100	-	1.44	1.93	0.55
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.13	1.51	0.43
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	29.66	39.75	11.32
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	11.95	16.02	4.57
Spokane County, WA	PM ₁₀	Maintenance	100	-	19.14	25.65	7.32
Spokane, WA	CO	Maintenance	100	-	18.95	25.40	7.25
Springfield (western MA), MA	Ozone	Moderate	50	-	58.45	78.34	22.10
Springfield, MA	CO	Maintenance	100	-	9.31	12.47	3.47
St. Louis, MO	CO	Maintenance	100	-	62.32	83.54	23.85
St. Louis, MO-IL	Ozone	Moderate	50	-	178.82	238.98	43.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	177.53	237.24	42.68

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	10.98	14.72	4.20
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.14	1.52	0.44
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.87	3.85	1.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	5.54	7.39	0.79
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	5.54	7.39	0.79
Stockton, CA	CO	Maintenance	100	-	29.05	38.94	11.12
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	34.05	45.64	13.03
Telluride, CO	PM ₁₀	Maintenance	100	-	0.09	0.12	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	8.88	11.91	3.40
Tioga County, PA	Ozone	Maintenance	100	-	3.77	5.06	1.44
Toledo, OH	Ozone	Maintenance	100	-	10.38	12.83	-33.48
Toms River, NJ	CO	Maintenance	100	-	6.31	8.46	2.42
Tooele County, UT	SO _x	Nonattainment	100	-	6.54	8.76	2.50
Trenton, NJ	CO	Maintenance	100	-	5.78	7.75	2.21
Trona, CA	PM ₁₀	Moderate	100	-	0.20	0.26	0.08
Tucson, AZ	CO	Maintenance	100	-	63.60	85.25	24.34
Utah County, UT	PM ₁₀	Moderate	100	-	31.02	41.58	11.87
Vancouver, WA	CO	Maintenance	100	-	19.58	26.25	7.49
Ventura County, CA	Ozone	Serious	50	-	52.33	70.13	19.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.48	0.65	0.18
Vigo County, IN	SO _x	Maintenance	100	-	8.88	11.91	3.40
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	3.72	4.98	1.42
Warren County, NJ	SO _x	Maintenance	100	-	2.33	3.13	0.89
Warren County, PA	SO _x	Nonattainment	100	-	0.93	1.25	0.32
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	14.00	18.77	5.36
Washington, DC-MD-VA	CO	Maintenance	100	-	102.21	137.01	39.11

Appendix B

**Table B.1-45
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	346.67	464.69	132.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	339.61	455.23	129.94
Washoe County, NV	PM ₁₀	Serious	70	-	15.97	21.41	6.11
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.27	0.36	0.10
Wayne County, IN	SO _x	Maintenance	100	-	4.86	6.52	1.86
Wayne County, MI	PM ₁₀	Maintenance	100	-	2.80	3.68	-1.66
Weirton, WV	PM ₁₀	Maintenance	100	-	0.66	0.89	0.25
Weirton, WV	SO _x	Maintenance	100	-	0.87	1.16	0.33
Wheeling, WV-OH	Ozone	Maintenance	100	-	10.11	13.55	3.87
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	10.11	13.55	3.87
Winston-Salem, NC	CO	Maintenance	100	-	26.81	35.93	10.26
Worcester, MA	CO	Maintenance	100	-	13.96	18.71	5.34
Yakima County, WA	PM ₁₀	Maintenance	100	-	6.04	8.09	2.31
Yakima, WA	CO	Maintenance	100	-	2.41	3.23	0.92
York, PA	Ozone	Maintenance	100	-	28.79	38.60	11.02
York, PA	PM _{2.5}	Nonattainment	100	-	22.42	30.05	8.58
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	42.90	57.50	16.41
Yuma, AZ	PM ₁₀	Moderate	100	-	11.77	15.78	4.50

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.31	0.44	-0.88
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.65	0.93	-1.84
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.68	0.97	-1.91
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	202.75	288.75	-572.01
Albuquerque, NM	CO	Maintenance	100	-	93.51	133.19	-263.70
Allegan County, MI	Ozone	Former Subpart 1	50	-	23.11	32.92	-65.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	93.95	133.78	-265.35
Altoona, PA	Ozone	Maintenance	100	-	16.16	23.02	-45.58
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	26.38	37.57	-74.39
Anchorage, AK	CO	Maintenance	100	-	22.55	32.12	-63.59
Anthony, NM	PM ₁₀	Moderate	100	-	1.19	1.70	-3.36
Armstrong County, PA	SO _x	Nonattainment	100	-	0.78	1.11	-2.19
Aspen, CO	PM ₁₀	Maintenance	100	-	1.12	1.59	-3.15
Atlanta, GA	Ozone	Moderate	50	-	1,062.72	1,513.50	-2,997.82
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,063.31	1,514.34	-2,999.48
Atlantic City, NJ	CO	Maintenance	100	-	8.15	11.61	-23.00
Bakersfield, CA	CO	Maintenance	100	-	68.69	97.62	-197.35
Baltimore, MD	CO	Maintenance	100	-	1.58	2.25	-4.53
Baltimore, MD	Ozone	Moderate	50	-	473.74	674.60	-1,337.91
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	473.73	674.59	-1,337.88
Baton Rouge, LA	Ozone	Moderate	50	-	-39.97	-78.39	-276.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-68.52	-116.01	-141.13
Benton County, TN	SO _x	Maintenance	100	-	0.18	0.26	-0.52
Benton Harbor, MI	Ozone	Maintenance	100	-	28.56	40.67	-80.59
Benzie County, MI	Ozone	Maintenance	100	-	3.63	5.18	-10.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	23.28	33.16	-65.65
Billings, MT	CO	Maintenance	100	-	-14.82	-24.79	-25.17

Appendix B

Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	Ozone	Maintenance	100	-	159.75	227.37	-453.31
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	160.27	228.11	-454.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	51.24	72.93	-145.43
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	51.24	72.93	-145.43
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	2.65	3.77	-7.47
Boston, MA	CO	Maintenance	100	-	135.30	192.70	-381.55
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	810.23	1,153.95	-2,284.81
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	103.19	146.97	-291.00
Boyd County (part), KY	SO _x	Maintenance	100	-	1.54	2.20	-4.35
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	182.95	260.57	-515.92
Burlington, NJ	CO	Maintenance	100	-	1.30	1.86	-3.67
Butte, MT	PM ₁₀	Moderate	100	-	3.31	4.71	-9.32
Canon City, CO	PM ₁₀	Maintenance	100	-	3.09	4.40	-8.72
Canton-Massillon, OH	Ozone	Maintenance	100	-	40.00	56.04	-129.69
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	40.00	56.04	-129.69
Case County, MI	Ozone	Maintenance	100	-	6.92	9.86	-19.52
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.11	0.16	-0.31
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.01	1.44	-2.85
Charleston, WV	Ozone	Maintenance	100	-	43.86	62.47	-123.69
Charleston, WV	PM _{2.5}	Nonattainment	100	-	43.86	62.47	-123.69
Charlotte, NC	CO	Maintenance	100	-	116.90	166.49	-329.64
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	261.40	372.29	-737.13
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	86.61	123.35	-244.25
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	78.85	112.30	-222.38
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	921.61	1,284.69	-3,105.05
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	959.79	1,339.05	-3,212.70
Chico, CA	CO	Maintenance	100	-	17.26	24.59	-48.68
Chico, CA	Ozone	Former Subpart 1	50	-	39.78	56.66	-112.18

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	312.76	445.43	-881.95
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	303.63	432.43	-856.21
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	2.20	3.13	-6.22
Clark County, NV	PM ₁₀	Serious	70	-	238.52	339.70	-672.61
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	41.19	58.67	-116.16
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	28.58	40.70	-80.59
Cleveland, OH	CO	Maintenance	100	-	148.34	211.27	-418.30
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	408.20	581.36	-1,151.09
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	376.39	536.06	-1,061.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	101.61	144.71	-286.53
Colbert County, AL	SO _x	Maintenance	100	-	9.46	13.47	-26.67
Colorado Springs, CO	CO	Maintenance	100	-	92.62	131.74	-264.27
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.87	1.24	-2.46
Columbia, SC	Ozone	Former Subpart 1	50	-	103.25	147.05	-291.16
Columbus, OH	Ozone	Maintenance	100	-	266.82	380.02	-752.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	247.49	352.48	-697.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.52	0.74	-1.49
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.06	0.08	-0.16
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	148.34	211.27	-418.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	121.29	172.75	-342.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,106.20	1,575.36	-3,121.56
Dayton-Springfield, OH	Ozone	Maintenance	100	-	132.49	188.70	-373.63
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	117.10	166.78	-330.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	458.66	651.12	-1,331.89
Denver-Boulder, CO	CO	Maintenance	100	-	438.06	621.77	-1,273.79
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	556.04	789.80	-1,606.57
Detroit, MI	CO	Maintenance	100	-	246.16	349.76	-709.11
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	726.26	1,033.28	-2,067.51

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	712.62	1,013.86	-2,029.05
Door County, WI	Ozone	Former Subpart 1	50	-	5.85	8.33	-16.49
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	5.61	7.99	-15.83
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	4.44	6.32	-12.52
Duluth, MN	CO	Maintenance	100	-	12.91	18.38	-36.40
Eagle River, AK	PM ₁₀	Moderate	100	-	1.36	1.94	-3.84
East Chicago, IN	CO	Maintenance	100	-	0.17	0.24	-0.48
East Chicago, IN	PM ₁₀	Maintenance	100	-	-68.77	-112.12	-63.46
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.16	0.23	-0.45
El Paso County, TX	PM ₁₀	Moderate	100	-	69.10	97.30	-215.14
El Paso, TX	CO	Maintenance	100	-	4.97	7.07	-14.02
Erie, PA	Ozone	Maintenance	100	-	36.11	51.44	-101.84
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.25	0.35	-0.70
Eugene-Springfield, OR	CO	Maintenance	100	-	36.53	52.03	-103.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	34.91	49.72	-98.45
Evansville, IN	Ozone	Maintenance	100	-	40.18	57.22	-113.30
Evansville, IN	PM _{2.5}	Nonattainment	100	-	51.67	73.59	-145.70
Fairbanks, AK	CO	Maintenance	100	-	2.75	3.92	-7.77
Fayetteville, NC	Ozone	Former Subpart 1	50	-	46.80	66.65	-131.96
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.14	1.62	-3.21
Flint, MI	Ozone	Maintenance	100	-	82.35	117.28	-232.22
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.18	0.26	-0.51
Fort Collins, CO	CO	Maintenance	100	-	28.04	39.94	-79.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.11	0.16	-0.32
Fort Wayne, IN	Ozone	Maintenance	100	-	57.87	82.42	-163.20
Franklin County, PA	Ozone	Maintenance	100	-	24.14	34.38	-68.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.12	0.17	-0.34
Frederick County, VA	Ozone	Former Subpart 1	50	-	20.72	29.50	-58.42

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Fredericksburg, VA	Ozone	Maintenance	100	-	65.87	93.82	-185.76
Freehold, NJ	CO	Maintenance	100	-	2.75	3.91	-7.74
Fresno, CA	CO	Maintenance	100	-	93.46	133.09	-263.96
Grand Rapids, MI	Ozone	Maintenance	100	-	128.82	183.47	-363.26
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	6.46	9.20	-18.23
Grant County, NM	SO _x	Maintenance	100	-	0.42	0.60	-1.20
Grants Pass, OR	CO	Maintenance	100	-	0.07	0.10	-0.20
Grants Pass, OR	PM ₁₀	Maintenance	100	-	5.22	7.43	-14.72
Great Falls, MT	CO	Maintenance	100	-	3.10	4.41	-8.73
Greater Connecticut, CT	Ozone	Moderate	50	-	260.47	370.94	-735.04
Greeley, CO	CO	Maintenance	100	-	19.56	27.86	-55.16
Green Bay, WI	SO _x	Maintenance	100	-	19.51	27.78	-55.01
Greene County, IN	Ozone	Maintenance	100	-	7.71	10.97	-21.73
Greene County, PA	Ozone	Maintenance	100	-	7.20	10.25	-20.29
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	257.13	366.17	-725.77
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	127.00	180.84	-358.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	141.97	202.15	-401.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	3.57	5.09	-10.07
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	18.25	25.99	-51.46
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	135.66	193.20	-382.78
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	125.22	178.33	-353.34
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	168.48	239.93	-475.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.59	2.26	-4.48
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	6.21	8.85	-17.52
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.78	1.11	-2.20
Hazelwood, PA	SO _x	Maintenance	100	-	6.36	9.05	-17.95
Hickory, NC	PM _{2.5}	Nonattainment	100	-	28.22	40.20	-79.59
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	46.49	66.21	-131.10

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Hollis Township, IL	SO _x	Maintenance	100	-	0.38	0.54	-1.08
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	677.09	934.09	-2,457.97
Humphreys County, TN	SO _x	Maintenance	100	-	0.43	0.62	-1.22
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-51.98	-88.03	-107.60
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-74.00	-119.40	-45.49
Huron County, MI	Ozone	Maintenance	100	-	4.51	6.42	-12.71
Imperial County, CA	Ozone	Moderate	50	-	34.80	49.56	-98.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	34.03	48.46	-95.95
Indian Wells, CA	PM ₁₀	Maintenance	100	-	5.31	7.57	-14.98
Indianapolis, IN	CO	Maintenance	100	-	0.16	0.22	-0.44
Indianapolis, IN	Ozone	Maintenance	100	-	317.98	452.87	-896.68
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	252.03	358.95	-710.72
Jackson County, IN	Ozone	Maintenance	100	-	12.56	17.89	-35.41
Jamestown, NY	Ozone	Former Subpart 1	50	-	24.60	35.04	-69.37
Jefferson County, NY	Ozone	Moderate	50	-	19.59	27.90	-55.24
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.23	1.75	-3.46
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	34.33	48.90	-96.82
Johnstown, PA	Ozone	Maintenance	100	-	16.00	22.79	-45.13
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	17.55	25.00	-49.49
Juneau, AK	PM ₁₀	Moderate	100	-	1.71	2.44	-4.83
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	79.98	113.91	-225.53
Kalispell, MT	PM ₁₀	Moderate	100	-	4.66	6.64	-13.15
Kansas City, MO-KS	Ozone	Maintenance	100	-	263.53	375.20	-745.37
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	22.76	32.42	-64.19
Kent, WA	PM ₁₀	Maintenance	100	-	3.97	5.66	-11.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	13.12	18.68	-36.99
Kewaunee County, WI	Ozone	Maintenance	100	-	3.91	5.56	-11.01
King County, WA	PM ₁₀	Maintenance	100	-	1.63	2.32	-4.59

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	CO	Maintenance	100	-	7.83	11.15	-22.08
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	7.83	11.15	-22.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	188.64	268.67	-531.96
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	145.97	207.89	-411.62
La Porte County, IN	SO _x	Maintenance	100	-	5.50	7.83	-15.51
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.38	3.39	-6.71
Lake County, IN	SO _x	Maintenance	100	-	47.91	68.19	-135.82
Lake County, OH	SO _x	Maintenance	100	-	5.66	8.06	-15.95
Lake County, OR	PM ₁₀	Maintenance	100	-	0.96	1.37	-2.71
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	4.67	6.65	-13.16
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	9.98	14.21	-28.14
Lake Tahoe, NV	CO	Maintenance	100	-	3.20	4.56	-9.04
Lamar, CO	PM ₁₀	Maintenance	100	-	1.40	2.00	-3.95
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.23	0.32	-0.64
Lancaster, PA	Ozone	Maintenance	100	-	71.34	101.59	-201.48
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	71.34	101.59	-201.48
Lane County, OR	PM ₁₀	Moderate	100	-	0.23	0.33	-0.64
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	75.61	107.68	-213.21
LaPorte, IN	Ozone	Maintenance	100	-	15.39	21.92	-43.41
Las Vegas, NV	CO	Serious	100	-	238.52	339.70	-672.61
Las Vegas, NV	Ozone	Former Subpart 1	50	-	242.04	344.72	-682.54
Lauderdale County, AL	SO _x	Maintenance	100	-	13.92	19.83	-39.26
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.27	0.39	-0.77
Libby, MT	PM ₁₀	Moderate	100	-	0.69	0.99	-1.96
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.93	1.32	-2.61
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	2.20	3.13	-6.22
Lima, OH	Ozone	Maintenance	100	-	-1.20	-4.29	-43.47
Longmont, CO	CO	Maintenance	100	-	14.49	20.63	-40.85

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lorain County, OH	SO _x	Maintenance	100	-	7.28	10.37	-20.52
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2,264.65	3,203.23	-6,787.92
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2,264.65	3,203.22	-6,787.92
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2,264.65	3,203.22	-6,787.92
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2,264.68	3,203.27	-6,788.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2,264.53	3,203.06	-6,787.58
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	109.73	156.28	-309.42
Louisville, KY-IN	Ozone	Maintenance	100	-	178.85	254.72	-504.35
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	173.02	246.41	-487.90
Lowell, MA	CO	Maintenance	100	-	18.00	25.63	-50.76
Lucas County, OH	SO _x	Maintenance	100	-	47.32	67.40	-133.44
Lyons Township, IL	PM ₁₀	Maintenance	100	-	9.84	14.02	-27.76
Macon, GA	Ozone	Maintenance	100	-	33.18	47.26	-93.57
Macon, GA	PM _{2.5}	Nonattainment	100	-	32.83	46.76	-92.59
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.46	0.65	-1.29
Madison, WI	SO _x	Maintenance	100	-	38.89	55.39	-109.67
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.51	2.15	-4.26
Manchester, NH	CO	Maintenance	100	-	12.25	17.44	-34.54
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	16.05	22.86	-45.27
Marion County, IN	SO _x	Maintenance	100	-	49.56	70.58	-139.74
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	17.89	25.48	-50.44
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	50.57	72.02	-142.59
Mason County, MI	Ozone	Maintenance	100	-	4.18	5.95	-11.79
Medford, OR	CO	Maintenance	100	-	12.39	17.64	-34.93
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	29.54	42.07	-83.30
Memphis, TN-AR	Ozone	Maintenance	100	-	149.42	211.58	-443.49
Memphis, TN	CO	Maintenance	100	-	136.73	193.51	-407.71

Appendix B

Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Miami (Gila County), AZ	SO _x	Maintenance	100	-	4.67	6.66	-13.18
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.83	1.18	-2.35
Milwaukee, WI	SO _x	Maintenance	100	-	83.71	119.22	-236.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	282.30	402.06	-796.07
Minneapolis-St Paul, MN	CO	Maintenance	100	-	234.39	302.59	-1,227.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	443.68	631.78	-1,253.26
Missoula, MT	CO	Maintenance	100	-	9.33	13.23	-27.35
Missoula, MT	PM ₁₀	Moderate	100	-	9.04	12.81	-26.49
Modesto, CA	CO	Maintenance	100	-	49.06	69.87	-138.35
Mohave County, AZ	PM ₁₀	Maintenance	100	-	16.47	23.46	-46.45
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.23	0.32	-0.64
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.53	0.75	-1.49
Morristown, NJ	CO	Maintenance	100	-	5.18	7.37	-14.60
Muhlenberg County, KY	SO _x	Maintenance	100	-	4.60	6.55	-12.97
Muncie, IN	Ozone	Maintenance	100	-	18.33	26.11	-51.70
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.70	1.00	-1.97
Muscatine County, IA	SO _x	Maintenance	100	-	2.40	3.42	-6.77
Muskegon, MI	Ozone	Maintenance	100	-	20.50	29.20	-57.86
Nashua, NH	CO	Maintenance	100	-	9.77	13.92	-27.55
Nashville, TN	Ozone	Former Subpart 1	50	-	259.47	369.50	-732.38
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	22.38	31.88	-63.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	22.05	31.41	-62.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	124.57	177.41	-351.27
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.95	1.35	-2.68
New York County, NY	PM ₁₀	Moderate	100	-	72.31	102.98	-203.90
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,231.51	1,752.73	-3,494.81
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2,342.19	3,333.98	-6,637.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2,322.25	3,305.58	-6,581.71

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Nogales, AZ	PM ₁₀	Moderate	100	-	6.48	9.22	-18.26
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-413.42	-681.65	-519.13
Ogden, UT	CO	Maintenance	100	-	11.14	15.86	-31.40
Ogden, UT	PM ₁₀	Moderate	100	-	11.14	15.86	-31.40
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.38	0.54	-1.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	3.34	4.75	-9.41
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	17.03	24.25	-48.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.61	0.88	-1.73
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	22.98	32.72	-64.79
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	23.13	32.95	-65.23
Payson, AZ	PM ₁₀	Maintenance	100	-	3.10	4.41	-8.73
Penns Grove, NJ	CO	Maintenance	100	-	0.08	0.11	-0.21
Peoria, IL	SO _x	Maintenance	100	-	15.80	22.50	-44.64
Perth Amboy, NJ	CO	Maintenance	100	-	8.20	11.09	-33.87
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	61.81	88.03	-174.29
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	579.01	807.24	-1,948.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	908.86	1,277.00	-2,878.89
Phoenix, AZ	CO	Maintenance	100	-	747.26	1,064.23	-2,107.87
Phoenix, AZ	PM ₁₀	Serious	70	-	770.01	1,096.62	-2,172.02
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	772.62	1,100.34	-2,179.39
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.70	2.42	-4.79
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.21	0.29	-0.58
Pittsburgh, PA	CO	Maintenance	100	-	3.67	5.23	-10.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	317.19	451.72	-895.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	289.76	412.66	-817.67
Polk County, TN	SO _x	Maintenance	100	-	3.33	4.74	-9.38
Polson, MT	PM ₁₀	Moderate	100	-	0.46	0.66	-1.31

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, ME	Ozone	Maintenance	100	-	88.25	125.59	-250.65
Portland, OR	CO	Maintenance	100	-	183.09	260.67	-517.95
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	6.95	9.90	-19.60
Poughkeepsie, NY	Ozone	Moderate	50	-	216.61	308.51	-610.84
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.46	2.08	-4.12
Providence (entire State), RI	Ozone	Moderate	50	-	155.17	220.87	-439.80
Provo, UT	CO	Maintenance	100	-	25.84	36.80	-72.86
Raleigh-Durham, NC	CO	Maintenance	100	-	206.79	294.50	-583.55
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	282.02	401.63	-795.67
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.30	0.43	-0.87
Reading, PA	Ozone	Maintenance	100	-	52.79	75.19	-148.87
Reading, PA	PM _{2.5}	Nonattainment	100	-	52.79	75.19	-148.87
Reno, NV	CO	Maintenance	100	-	38.72	55.14	-109.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.15	0.22	-0.43
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	193.88	276.09	-547.28
Rillito, AZ	PM ₁₀	Moderate	100	-	7.73	11.01	-21.80
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	101.61	144.71	-286.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	41.54	59.16	-117.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	12.73	18.13	-35.90
Rochester, NY	Ozone	Former Subpart 1	50	-	212.08	302.05	-598.05
Rocky Mount, NC	Ozone	Maintenance	100	-	29.43	41.91	-82.98
Rome, GA	PM _{2.5}	Nonattainment	100	-	19.03	27.10	-53.66
Ronan, MT	PM ₁₀	Moderate	100	-	0.18	0.26	-0.51
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.40	0.57	-1.13
Sacramento County, CA	PM ₁₀	Moderate	100	-	237.28	337.94	-669.11
Sacramento Metro, CA	Ozone	Severe	25	-	425.53	605.89	-1,202.84
Sacramento, CA	CO	Maintenance	100	-	264.64	376.88	-746.61
Salem, OR	CO	Maintenance	100	-	20.77	29.58	-58.57

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake City, UT	CO	Maintenance	100	-	31.14	44.00	-94.25
Salt Lake County, UT	PM ₁₀	Moderate	100	-	160.71	228.53	-459.62
Salt Lake County, UT	SO _x	Nonattainment	100	-	163.24	232.49	-460.33
San Antonio, TX	Ozone	Former Subpart 1	50	-	294.41	419.27	-830.86
San Bernardino County, CA	PM ₁₀	Moderate	100	-	68.23	97.18	-192.42
San Diego, CA	CO	Maintenance	100	-	659.10	938.70	-1,858.62
San Diego, CA	Ozone	Former Subpart 1	50	-	660.32	940.44	-1,862.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	980.44	1,391.44	-2,853.95
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,115.49	1,583.79	-3,234.79
San Joaquin Valley, CA	Ozone	Extreme	10	-	719.98	1,025.17	-2,034.66
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	723.00	1,029.47	-2,043.18
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	719.98	1,025.17	-2,034.66
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	5.33	7.59	-15.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.11	0.16	-0.31
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	106.04	151.03	-299.03
Seattle-Tacoma, WA	CO	Maintenance	100	-	473.82	674.83	-1,336.15
Sheboygan, WI	Ozone	Moderate	50	-	18.83	26.82	-53.10
Sheridan, WY	PM ₁₀	Moderate	100	-	3.46	4.93	-9.75
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	2.76	3.93	-7.79
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	71.57	101.93	-201.95
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	27.65	39.38	-77.99
Spokane County, WA	PM ₁₀	Maintenance	100	-	47.07	67.04	-132.74
Spokane, WA	CO	Maintenance	100	-	46.59	66.36	-131.38
Springfield (western MA), MA	Ozone	Moderate	50	-	141.08	200.88	-398.79
Springfield, MA	CO	Maintenance	100	-	22.65	32.24	-64.23
St. Louis, MO	CO	Maintenance	100	-	145.18	206.77	-409.39
St. Louis, MO-IL	Ozone	Moderate	50	-	432.59	611.05	-1,311.72

Appendix B

Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	429.51	606.66	-1,303.02
State College, PA	Ozone	Maintenance	100	-	27.07	38.55	-76.33
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	2.92	4.16	-8.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	6.76	9.63	-19.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	13.29	18.66	-42.32
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	13.29	18.66	-42.32
Stockton, CA	CO	Maintenance	100	-	73.71	104.98	-207.87
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	81.33	115.83	-229.35
Telluride, CO	PM ₁₀	Maintenance	100	-	0.23	0.33	-0.65
Terre Haute, IN	Ozone	Maintenance	100	-	20.83	29.67	-58.75
Tioga County, PA	Ozone	Maintenance	100	-	8.93	12.71	-25.17
Toledo, OH	Ozone	Maintenance	100	-	33.33	39.96	-230.19
Toms River, NJ	CO	Maintenance	100	-	15.75	22.43	-44.41
Tooele County, UT	SO _x	Nonattainment	100	-	15.99	22.77	-45.09
Trenton, NJ	CO	Maintenance	100	-	14.01	19.96	-39.51
Trona, CA	PM ₁₀	Moderate	100	-	0.50	0.71	-1.41
Tucson, AZ	CO	Maintenance	100	-	157.56	224.41	-444.32
Utah County, UT	PM ₁₀	Moderate	100	-	76.87	109.48	-216.76
Vancouver, WA	CO	Maintenance	100	-	49.29	70.21	-139.01
Ventura County, CA	Ozone	Serious	50	-	132.47	188.54	-375.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.14	1.62	-3.21
Vigo County, IN	SO _x	Maintenance	100	-	20.83	29.67	-58.75
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	8.95	12.74	-25.23
Warren County, NJ	SO _x	Maintenance	100	-	5.68	8.09	-16.02
Warren County, PA	SO _x	Nonattainment	100	-	2.21	3.14	-6.37
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	33.68	47.97	-94.99

Appendix B

**Table B.1-46
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	CO	Maintenance	100	-	248.10	353.36	-699.64
Washington, DC-MD-VA	Ozone	Moderate	50	-	855.77	1,218.80	-2,413.21
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	837.93	1,193.39	-2,362.91
Washoe County, NV	PM ₁₀	Serious	70	-	38.72	55.14	-109.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.65	0.92	-1.83
Wayne County, IN	SO _x	Maintenance	100	-	11.36	16.18	-32.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	7.70	10.42	-31.68
Weirton, WV	PM ₁₀	Maintenance	100	-	1.53	2.18	-4.31
Weirton, WV	SO _x	Maintenance	100	-	2.00	2.86	-5.65
Wheeling, WV-OH	Ozone	Maintenance	100	-	23.65	33.68	-66.69
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	23.65	33.68	-66.69
Winston-Salem, NC	CO	Maintenance	100	-	65.11	92.72	-183.59
Worcester, MA	CO	Maintenance	100	-	34.50	49.14	-97.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	14.74	21.00	-41.57
Yakima, WA	CO	Maintenance	100	-	6.06	8.64	-17.10
York, PA	Ozone	Maintenance	100	-	70.52	100.44	-198.86
York, PA	PM _{2.5}	Nonattainment	100	-	54.84	78.10	-154.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	101.11	144.01	-285.14
Yuma, AZ	PM ₁₀	Moderate	100	-	29.43	41.91	-82.99

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.01	1.54	-6.32
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	2.33	3.56	-14.59
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	2.42	3.70	-15.15
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	719.64	1,097.72	-4,498.89
Albuquerque, NM	CO	Maintenance	100	-	327.43	499.46	-2,046.59
Allegan County, MI	Ozone	Former Subpart 1	50	-	86.98	132.68	-543.69
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	331.80	506.07	-2,075.13
Altoona, PA	Ozone	Maintenance	100	-	52.86	80.63	-330.38
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	113.33	172.88	-708.40
Anchorage, AK	CO	Maintenance	100	-	85.00	129.65	-531.27
Anthony, NM	PM ₁₀	Moderate	100	-	4.10	6.25	-25.60
Armstrong County, PA	SO _x	Nonattainment	100	-	2.73	4.16	-17.06
Aspen, CO	PM ₁₀	Maintenance	100	-	4.13	6.31	-25.84
Atlanta, GA	Ozone	Moderate	50	-	3,934.57	6,001.72	-24,596.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3,936.25	6,004.29	-24,606.61
Atlantic City, NJ	CO	Maintenance	100	-	27.75	42.34	-173.48
Bakersfield, CA	CO	Maintenance	100	-	259.92	396.00	-1,634.93
Baltimore, MD	CO	Maintenance	100	-	5.36	8.17	-33.69
Baltimore, MD	Ozone	Moderate	50	-	1,721.08	2,625.10	-10,763.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1,721.05	2,625.05	-10,763.12
Baton Rouge, LA	Ozone	Moderate	50	-	63.49	44.98	-1,493.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-76.73	-161.55	-461.69
Benton County, TN	SO _x	Maintenance	100	-	0.61	0.93	-3.81
Benton Harbor, MI	Ozone	Maintenance	100	-	91.60	139.72	-572.69
Benzie County, MI	Ozone	Maintenance	100	-	14.42	22.00	-90.16
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	84.89	129.49	-530.61
Billings, MT	CO	Maintenance	100	-	-17.54	-35.66	-78.85
Birmingham, AL	Ozone	Maintenance	100	-	545.25	831.35	-3,416.04

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	547.12	834.22	-3,427.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	189.37	288.74	-1,186.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	189.37	288.74	-1,186.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	10.41	15.88	-65.08
Boston, MA	CO	Maintenance	100	-	469.09	715.56	-2,932.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2,868.24	4,375.26	-17,928.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	375.16	572.27	-2,344.94
Boyd County (part), KY	SO _x	Maintenance	100	-	5.07	7.74	-31.70
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	628.21	958.27	-3,926.64
Burlington, NJ	CO	Maintenance	100	-	3.78	5.77	-23.64
Butte, MT	PM ₁₀	Moderate	100	-	10.34	15.77	-64.63
Canon City, CO	PM ₁₀	Maintenance	100	-	11.94	18.21	-74.63
Canton-Massillon, OH	Ozone	Maintenance	100	-	141.64	213.81	-932.91
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	141.64	213.81	-932.91
Case County, MI	Ozone	Maintenance	100	-	23.63	36.05	-147.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.42	0.63	-2.60
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	3.09	4.72	-19.34
Charleston, WV	Ozone	Maintenance	100	-	142.11	216.77	-888.25
Charleston, WV	PM _{2.5}	Nonattainment	100	-	142.11	216.77	-888.25
Charlotte, NC	CO	Maintenance	100	-	435.96	665.02	-2,724.98
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	962.43	1,468.11	-6,015.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	297.31	453.51	-1,858.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	273.20	416.74	-1,707.72
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3,604.05	5,430.30	-23,952.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3,741.04	5,639.27	-24,808.65
Chico, CA	CO	Maintenance	100	-	72.82	111.08	-455.18
Chico, CA	Ozone	Former Subpart 1	50	-	160.02	244.10	-1,000.23
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,105.55	1,686.43	-6,910.32

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,071.43	1,634.38	-6,697.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	6.80	10.37	-42.52
Clark County, NV	PM ₁₀	Serious	70	-	933.44	1,423.88	-5,834.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	151.41	230.96	-946.39
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	97.97	149.45	-612.37
Cleveland, OH	CO	Maintenance	100	-	473.81	722.76	-2,961.61
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1,393.09	2,125.04	-8,707.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1,279.00	1,951.00	-7,994.45
Coachella Valley, CA	PM ₁₀	Serious	70	-	414.76	632.68	-2,592.49
Colbert County, AL	SO _x	Maintenance	100	-	30.04	45.82	-187.74
Colorado Springs, CO	CO	Maintenance	100	-	352.86	537.85	-2,214.32
Columbia Falls, MT	PM ₁₀	Moderate	100	-	3.36	5.12	-20.99
Columbia, SC	Ozone	Former Subpart 1	50	-	364.56	556.10	-2,278.69
Columbus, OH	Ozone	Maintenance	100	-	994.55	1,517.10	-6,216.47
Columbus, OH	PM _{2.5}	Nonattainment	100	-	924.61	1,410.41	-5,779.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	1.58	2.41	-9.95
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.20	0.30	-1.22
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	473.82	722.78	-2,961.66
Cuyahoga County, OH	SO _x	Maintenance	100	-	393.96	600.96	-2,462.50
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4,202.29	6,409.96	-26,272.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	443.82	677.02	-2,774.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	390.97	596.40	-2,443.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1,742.73	2,653.27	-11,001.43
Denver-Boulder, CO	CO	Maintenance	100	-	1,664.88	2,534.52	-10,514.83
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2,109.36	3,212.52	-13,293.27
Detroit, MI	CO	Maintenance	100	-	792.32	1,206.68	-4,993.66
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2,555.56	3,895.70	-16,028.59
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2,507.47	3,822.34	-15,727.99

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	21.46	32.74	-134.16
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	19.18	29.26	-119.90
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	15.47	23.60	-96.69
Duluth, MN	CO	Maintenance	100	-	42.59	64.97	-266.22
Eagle River, AK	PM ₁₀	Moderate	100	-	5.27	8.04	-32.95
East Chicago, IN	CO	Maintenance	100	-	0.54	0.83	-3.39
East Chicago, IN	PM ₁₀	Maintenance	100	-	-113.45	-207.31	-15.51
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.56	0.85	-3.50
El Paso County, TX	PM ₁₀	Moderate	100	-	261.74	396.56	-1,693.05
El Paso, TX	CO	Maintenance	100	-	17.30	26.38	-108.16
Erie, PA	Ozone	Maintenance	100	-	121.55	185.42	-759.78
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.94	1.44	-5.89
Eugene-Springfield, OR	CO	Maintenance	100	-	132.09	201.49	-825.61
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	126.57	193.07	-791.13
Evansville, IN	Ozone	Maintenance	100	-	139.12	212.22	-869.59
Evansville, IN	PM _{2.5}	Nonattainment	100	-	177.44	270.68	-1,109.12
Fairbanks, AK	CO	Maintenance	100	-	10.47	15.97	-65.43
Fayetteville, NC	Ozone	Former Subpart 1	50	-	164.45	250.86	-1,027.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	4.37	6.67	-27.33
Flint, MI	Ozone	Maintenance	100	-	281.10	428.80	-1,757.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.53	0.80	-3.29
Fort Collins, CO	CO	Maintenance	100	-	107.54	164.04	-672.19
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.35	0.53	-2.19
Fort Wayne, IN	Ozone	Maintenance	100	-	203.80	310.89	-1,273.89
Franklin County, PA	Ozone	Maintenance	100	-	86.91	132.58	-543.26
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.40	0.61	-2.52
Frederick County, VA	Ozone	Former Subpart 1	50	-	73.25	111.73	-457.84
Fredericksburg, VA	Ozone	Maintenance	100	-	255.50	389.74	-1,597.02

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	11.00	16.78	-68.75
Fresno, CA	CO	Maintenance	100	-	352.10	537.04	-2,201.92
Grand Rapids, MI	Ozone	Maintenance	100	-	471.99	719.99	-2,950.24
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	20.84	31.79	-130.29
Grant County, NM	SO _x	Maintenance	100	-	1.34	2.04	-8.35
Grants Pass, OR	CO	Maintenance	100	-	0.27	0.41	-1.70
Grants Pass, OR	PM ₁₀	Maintenance	100	-	20.04	30.56	-125.23
Great Falls, MT	CO	Maintenance	100	-	9.63	14.69	-60.18
Greater Connecticut, CT	Ozone	Moderate	50	-	890.74	1,358.68	-5,569.13
Greeley, CO	CO	Maintenance	100	-	72.26	110.22	-451.66
Green Bay, WI	SO _x	Maintenance	100	-	69.68	106.29	-435.55
Greene County, IN	Ozone	Maintenance	100	-	27.01	41.20	-168.84
Greene County, PA	Ozone	Maintenance	100	-	24.34	37.12	-152.11
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	891.73	1,360.17	-5,575.77
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	436.38	665.57	-2,729.58
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	481.30	734.08	-3,010.47
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	12.34	18.82	-77.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	64.57	98.50	-403.62
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	494.20	753.83	-3,089.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	455.69	695.08	-2,848.95
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	568.89	867.72	-3,557.36
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	6.10	9.31	-38.14
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	24.08	36.73	-150.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	2.75	4.20	-17.20
Hazelwood, PA	SO _x	Maintenance	100	-	21.96	33.50	-137.34
Hickory, NC	PM _{2.5}	Nonattainment	100	-	93.95	143.31	-587.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	157.82	240.74	-986.45
Hollis Township, IL	SO _x	Maintenance	100	-	1.24	1.89	-7.74

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	2,774.12	4,158.66	-18,884.38
Humphreys County, TN	SO _x	Maintenance	100	-	1.52	2.32	-9.52
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-60.62	-126.30	-336.69
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-136.78	-242.48	139.39
Huron County, MI	Ozone	Maintenance	100	-	15.11	23.04	-94.42
Imperial County, CA	Ozone	Moderate	50	-	135.17	206.19	-844.88
Imperial Valley, CA	PM ₁₀	Serious	70	-	132.33	201.86	-827.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	17.93	27.35	-112.06
Indianapolis, IN	CO	Maintenance	100	-	0.47	0.72	-2.95
Indianapolis, IN	Ozone	Maintenance	100	-	1,153.55	1,759.65	-7,210.36
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	916.40	1,397.88	-5,727.99
Jackson County, IN	Ozone	Maintenance	100	-	43.08	65.71	-269.26
Jamestown, NY	Ozone	Former Subpart 1	50	-	84.32	128.63	-527.07
Jefferson County, NY	Ozone	Moderate	50	-	67.92	103.60	-424.52
Jefferson County, OH	PM ₁₀	Maintenance	100	-	3.76	5.74	-23.52
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	116.04	177.01	-725.32
Johnstown, PA	Ozone	Maintenance	100	-	48.09	73.36	-300.61
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	52.93	80.74	-330.85
Juneau, AK	PM ₁₀	Moderate	100	-	6.91	10.54	-43.18
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	274.65	418.95	-1,716.71
Kalispell, MT	PM ₁₀	Moderate	100	-	17.77	27.10	-111.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	960.48	1,464.84	-6,009.86
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	83.30	127.07	-520.68
Kent, WA	PM ₁₀	Maintenance	100	-	15.27	23.29	-95.42
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	45.57	69.51	-284.82
Kewaunee County, WI	Ozone	Maintenance	100	-	13.24	20.20	-82.77
King County, WA	PM ₁₀	Maintenance	100	-	6.04	9.21	-37.75
Klamath Falls, OR	CO	Maintenance	100	-	26.53	40.47	-165.84

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	26.53	40.47	-165.84
Knoxville, TN	Ozone	Former Subpart 1	50	-	708.21	1,080.31	-4,426.69
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	540.11	823.90	-3,376.02
La Porte County, IN	SO _x	Maintenance	100	-	17.99	27.45	-112.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	8.26	12.61	-51.65
Lake County, IN	SO _x	Maintenance	100	-	159.18	242.72	-996.96
Lake County, OH	SO _x	Maintenance	100	-	19.27	29.40	-120.48
Lake County, OR	PM ₁₀	Maintenance	100	-	3.19	4.87	-19.94
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	20.25	30.89	-126.59
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	44.40	67.73	-277.53
Lake Tahoe, NV	CO	Maintenance	100	-	11.19	17.08	-69.97
Lamar, CO	PM ₁₀	Maintenance	100	-	4.72	7.21	-29.53
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.71	1.08	-4.44
Lancaster, PA	Ozone	Maintenance	100	-	254.66	388.43	-1,592.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	254.66	388.43	-1,592.64
Lane County, OR	PM ₁₀	Moderate	100	-	0.71	1.08	-4.42
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	264.60	403.63	-1,653.92
LaPorte, IN	Ozone	Maintenance	100	-	50.14	76.49	-313.42
Las Vegas, NV	CO	Serious	100	-	933.44	1,423.88	-5,834.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	944.96	1,441.45	-5,906.52
Lauderdale County, AL	SO _x	Maintenance	100	-	46.28	70.60	-289.30
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.94	1.43	-5.85
Libby, MT	PM ₁₀	Moderate	100	-	2.24	3.41	-13.99
Libby, MT	PM _{2.5}	Nonattainment	100	-	2.98	4.55	-18.65
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	6.80	10.37	-42.52
Lima, OH	Ozone	Maintenance	100	-	17.61	20.63	-242.01
Longmont, CO	CO	Maintenance	100	-	56.10	85.58	-350.68
Lorain County, OH	SO _x	Maintenance	100	-	25.53	38.94	-159.58

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	8,615.63	13,088.94	-54,983.57
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	8,615.63	13,088.94	-54,983.56
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	8,615.63	13,088.94	-54,983.56
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	8,615.71	13,089.07	-54,984.08
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	8,615.21	13,088.31	-54,980.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	409.95	625.34	-2,562.42
Louisville, KY-IN	Ozone	Maintenance	100	-	612.81	934.79	-3,830.42
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	587.57	896.29	-3,672.64
Lowell, MA	CO	Maintenance	100	-	65.85	100.44	-411.57
Lucas County, OH	SO _x	Maintenance	100	-	155.61	237.38	-972.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	32.50	49.57	-203.15
Macon, GA	Ozone	Maintenance	100	-	107.83	164.49	-674.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	106.56	162.55	-666.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	1.48	2.26	-9.25
Madison, WI	SO _x	Maintenance	100	-	149.25	227.66	-932.87
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	6.78	10.34	-42.37
Manchester, NH	CO	Maintenance	100	-	39.80	60.71	-248.77
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	54.14	82.59	-338.41
Marion County, IN	SO _x	Maintenance	100	-	164.74	251.30	-1,029.72
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	72.95	111.27	-455.95
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	177.80	271.21	-1,111.32
Mason County, MI	Ozone	Maintenance	100	-	14.88	22.70	-93.02
Medford, OR	CO	Maintenance	100	-	48.31	73.70	-301.99
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	115.89	176.77	-724.35
Memphis, TN-AR	Ozone	Maintenance	100	-	507.15	770.66	-3,232.30
Memphis, TN	CO	Maintenance	100	-	467.03	709.46	-2,981.53
Miami (Gila County), AZ	SO _x	Maintenance	100	-	17.94	27.36	-112.10

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	2.64	4.03	-16.53
Milwaukee, WI	SO _x	Maintenance	100	-	280.38	427.70	-1,752.54
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,001.27	1,527.35	-6,258.51
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1,165.48	1,702.42	-8,880.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1,606.95	2,450.99	-10,050.30
Missoula, MT	CO	Maintenance	100	-	34.22	52.06	-216.79
Missoula, MT	PM ₁₀	Moderate	100	-	33.12	50.40	-209.87
Modesto, CA	CO	Maintenance	100	-	195.56	298.31	-1,222.37
Mohave County, AZ	PM ₁₀	Maintenance	100	-	66.32	101.17	-414.56
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.95	1.45	-5.93
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	1.77	2.70	-11.08
Morristown, NJ	CO	Maintenance	100	-	20.25	30.89	-126.58
Muhlenberg County, KY	SO _x	Maintenance	100	-	15.15	23.11	-94.71
Muncie, IN	Ozone	Maintenance	100	-	57.72	88.05	-360.80
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	2.69	4.10	-16.81
Muscatine County, IA	SO _x	Maintenance	100	-	8.55	13.04	-53.42
Muskegon, MI	Ozone	Maintenance	100	-	72.47	110.53	-453.08
Nashua, NH	CO	Maintenance	100	-	32.05	48.89	-200.34
Nashville, TN	Ozone	Former Subpart 1	50	-	951.61	1,451.50	-5,950.07
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	96.76	147.60	-604.80
New Haven County, CT	PM ₁₀	Maintenance	100	-	83.68	127.65	-523.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	422.40	644.34	-2,640.27
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	3.08	4.70	-19.27
New York County, NY	PM ₁₀	Moderate	100	-	235.89	359.83	-1,474.44
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	4,247.77	6,476.69	-26,612.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	8,209.93	12,519.16	-51,409.89
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	8,136.83	12,407.65	-50,952.95
Nogales, AZ	PM ₁₀	Moderate	100	-	23.50	35.85	-146.92

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-592.90	-1,128.70	-1,037.73
Ogden, UT	CO	Maintenance	100	-	37.90	57.81	-236.87
Ogden, UT	PM ₁₀	Moderate	100	-	37.90	57.81	-236.88
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.14	1.74	-7.13
Olmsted County, MN	PM ₁₀	Maintenance	100	-	10.79	16.46	-67.45
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	64.80	98.84	-405.01
Owens Valley, CA	PM ₁₀	Serious	70	-	2.53	3.86	-15.80
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.11	0.16	-0.67
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	77.30	117.91	-483.17
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	77.84	118.74	-486.57
Payson, AZ	PM ₁₀	Maintenance	100	-	11.53	17.59	-72.10
Penns Grove, NJ	CO	Maintenance	100	-	0.26	0.39	-1.62
Peoria, IL	SO _x	Maintenance	100	-	52.58	80.19	-328.87
Perth Amboy, NJ	CO	Maintenance	100	-	40.00	59.59	-280.32
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	199.08	303.67	-1,244.34
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2,150.22	3,237.96	-14,328.87
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	3,308.79	5,005.23	-21,571.40
Phoenix, AZ	CO	Maintenance	100	-	3,160.51	4,821.01	-19,756.79
Phoenix, AZ	PM ₁₀	Serious	70	-	3,247.25	4,953.33	-20,299.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3,256.54	4,967.49	-20,357.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	5.58	8.52	-34.89
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.59	0.90	-3.69
Pittsburgh, PA	CO	Maintenance	100	-	14.62	22.30	-91.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,071.58	1,634.52	-6,699.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	978.47	1,492.50	-6,117.55
Polk County, TN	SO _x	Maintenance	100	-	11.39	17.37	-71.19
Polson, MT	PM ₁₀	Moderate	100	-	1.82	2.78	-11.39
Portland, ME	Ozone	Maintenance	100	-	311.42	474.80	-1,951.57

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	636.67	970.97	-3,984.17
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	23.58	35.96	-147.37
Poughkeepsie, NY	Ozone	Moderate	50	-	828.93	1,264.47	-5,181.30
Presque Isle, ME	PM ₁₀	Maintenance	100	-	4.74	7.23	-29.62
Providence (entire State), RI	Ozone	Moderate	50	-	558.10	851.04	-3,494.77
Provo, UT	CO	Maintenance	100	-	99.10	151.16	-619.40
Raleigh-Durham, NC	CO	Maintenance	100	-	777.52	1,185.98	-4,861.06
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1,056.86	1,612.10	-6,607.12
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.97	1.48	-6.09
Reading, PA	Ozone	Maintenance	100	-	182.98	279.12	-1,143.72
Reading, PA	PM _{2.5}	Nonattainment	100	-	182.98	279.12	-1,143.72
Reno, NV	CO	Maintenance	100	-	136.34	207.98	-852.21
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.64	0.98	-4.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	677.51	1,033.41	-4,236.37
Rillito, AZ	PM ₁₀	Moderate	100	-	30.70	46.83	-191.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	414.76	632.68	-2,592.49
Roanoke, VA	Ozone	Former Subpart 1	50	-	140.64	214.54	-879.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	46.08	70.30	-288.06
Rochester, NY	Ozone	Former Subpart 1	50	-	736.70	1,123.77	-4,604.78
Rocky Mount, NC	Ozone	Maintenance	100	-	99.16	151.26	-619.79
Rome, GA	PM _{2.5}	Nonattainment	100	-	65.44	99.83	-409.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.70	1.06	-4.35
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	1.34	2.04	-8.35
Sacramento County, CA	PM ₁₀	Moderate	100	-	947.49	1,445.32	-5,922.36
Sacramento Metro, CA	Ozone	Severe	25	-	1,735.47	2,646.92	-10,855.76
Sacramento, CA	CO	Maintenance	100	-	1,064.75	1,624.14	-6,656.24
Salem, OR	CO	Maintenance	100	-	71.18	108.57	-444.89
Salt Lake City, UT	CO	Maintenance	100	-	116.69	177.14	-747.47

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	582.90	888.32	-3,661.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	588.47	897.67	-3,678.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,076.73	1,642.38	-6,731.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	254.51	388.24	-1,590.84
San Diego, CA	CO	Maintenance	100	-	2,575.48	3,928.67	-16,098.20
San Diego, CA	Ozone	Former Subpart 1	50	-	2,580.40	3,936.18	-16,128.93
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3,733.77	5,683.68	-23,589.22
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	4,219.13	6,424.06	-26,623.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	2,850.39	4,347.45	-17,828.85
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2,859.10	4,360.73	-17,883.25
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2,850.39	4,347.45	-17,828.85
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	20.56	31.36	-128.50
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.38	0.57	-2.35
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	368.37	561.92	-2,302.54
Seattle-Tacoma, WA	CO	Maintenance	100	-	1,743.84	2,660.08	-10,899.97
Sheboygan, WI	Ozone	Moderate	50	-	67.77	103.37	-423.58
Sheridan, WY	PM ₁₀	Moderate	100	-	11.81	18.02	-73.83
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Somerville, NJ	CO	Maintenance	100	-	9.98	15.22	-62.38
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	248.88	379.64	-1,555.97
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	82.29	125.52	-514.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	172.48	263.10	-1,078.08
Spokane, WA	CO	Maintenance	100	-	170.57	260.19	-1,066.15
Springfield (western MA), MA	Ozone	Moderate	50	-	490.68	748.36	-3,069.69
Springfield, MA	CO	Maintenance	100	-	81.62	124.46	-511.25
St. Louis, MO	CO	Maintenance	100	-	452.38	690.06	-2,827.62
St. Louis, MO-IL	Ozone	Moderate	50	-	1,497.59	2,272.23	-9,619.34
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,487.18	2,256.34	-9,554.21

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	99.88	152.35	-624.29
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	12.04	18.36	-75.25
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	21.68	33.08	-135.54
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	44.43	67.14	-291.36
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	44.43	67.14	-291.36
Stockton, CA	CO	Maintenance	100	-	295.37	450.56	-1,846.23
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	274.27	418.38	-1,714.35
Telluride, CO	PM ₁₀	Maintenance	100	-	1.06	1.62	-6.63
Terre Haute, IN	Ozone	Maintenance	100	-	66.32	101.17	-414.55
Tioga County, PA	Ozone	Maintenance	100	-	29.27	44.65	-182.97
Toledo, OH	Ozone	Maintenance	100	-	174.07	247.40	-1,471.50
Toms River, NJ	CO	Maintenance	100	-	60.65	92.51	-379.07
Tooele County, UT	SO _x	Nonattainment	100	-	57.76	88.11	-361.04
Trenton, NJ	CO	Maintenance	100	-	49.67	75.76	-310.44
Trona, CA	PM ₁₀	Moderate	100	-	1.99	3.03	-12.42
Tucson, AZ	CO	Maintenance	100	-	589.28	898.89	-3,683.31
Utah County, UT	PM ₁₀	Moderate	100	-	287.59	438.70	-1,797.62
Vancouver, WA	CO	Maintenance	100	-	191.46	292.05	-1,196.72
Ventura County, CA	Ozone	Serious	50	-	522.79	797.17	-3,274.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	3.69	5.63	-23.08
Vigo County, IN	SO _x	Maintenance	100	-	66.32	101.17	-414.55
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	30.89	47.12	-193.06
Warren County, NJ	SO _x	Maintenance	100	-	20.23	30.86	-126.44
Warren County, PA	SO _x	Nonattainment	100	-	7.17	10.91	-45.16
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	116.05	177.03	-725.41
Washington, DC-MD-VA	CO	Maintenance	100	-	885.81	1,351.23	-5,536.84

Appendix B

Table B.1-47
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	3,170.39	4,836.17	-19,816.76
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3,100.21	4,729.10	-19,378.04
Washoe County, NV	PM ₁₀	Serious	70	-	136.34	207.98	-852.21
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	2.19	3.35	-13.72
Wayne County, IN	SO _x	Maintenance	100	-	35.72	54.49	-223.26
Wayne County, MI	PM ₁₀	Maintenance	100	-	37.99	56.61	-265.79
Weirton, WV	PM ₁₀	Maintenance	100	-	4.49	6.86	-28.09
Weirton, WV	SO _x	Maintenance	100	-	6.00	9.15	-37.48
Wheeling, WV-OH	Ozone	Maintenance	100	-	74.70	113.96	-466.95
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	74.70	113.96	-466.95
Winston-Salem, NC	CO	Maintenance	100	-	230.60	351.77	-1,441.40
Worcester, MA	CO	Maintenance	100	-	129.23	197.13	-807.78
Yakima County, WA	PM ₁₀	Maintenance	100	-	52.77	80.50	-329.87
Yakima, WA	CO	Maintenance	100	-	23.78	36.27	-148.64
York, PA	Ozone	Maintenance	100	-	255.69	390.03	-1,598.19
York, PA	PM _{2.5}	Nonattainment	100	-	198.25	302.42	-1,239.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	327.21	499.13	-2,045.24
Yuma, AZ	PM ₁₀	Moderate	100	-	112.62	171.79	-703.95

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.74	2.72	-6.95
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	4.46	6.96	-17.82
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	4.63	7.22	-18.48
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1,369.50	2,136.89	-5,471.44
Albuquerque, NM	CO	Maintenance	100	-	615.82	960.91	-2,460.25
Allegan County, MI	Ozone	Former Subpart 1	50	-	173.60	270.88	-693.55
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	628.66	980.89	-2,511.82
Altoona, PA	Ozone	Maintenance	100	-	93.24	145.49	-372.50
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	247.76	386.60	-989.84
Anchorage, AK	CO	Maintenance	100	-	166.84	260.34	-666.56
Anthony, NM	PM ₁₀	Moderate	100	-	7.57	11.81	-30.24
Armstrong County, PA	SO _x	Nonattainment	100	-	5.22	8.14	-20.85
Aspen, CO	PM ₁₀	Maintenance	100	-	8.15	12.71	-32.55
Atlanta, GA	Ozone	Moderate	50	-	7,752.69	12,096.91	-30,973.23
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	7,755.16	12,100.78	-30,983.12
Atlantic City, NJ	CO	Maintenance	100	-	50.66	79.05	-202.39
Bakersfield, CA	CO	Maintenance	100	-	518.30	808.21	-2,073.01
Baltimore, MD	CO	Maintenance	100	-	9.83	15.33	-39.32
Baltimore, MD	Ozone	Moderate	50	-	3,339.51	5,210.60	-13,342.88
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3,339.47	5,210.52	-13,342.68
Baton Rouge, LA	Ozone	Moderate	50	-	336.21	468.68	-1,593.97
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	22.95	-12.19	-306.91
Benton County, TN	SO _x	Maintenance	100	-	1.05	1.63	-4.18
Benton Harbor, MI	Ozone	Maintenance	100	-	158.39	247.15	-632.83
Benzie County, MI	Ozone	Maintenance	100	-	29.94	46.72	-119.61
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	165.23	257.81	-660.10
Billings, MT	CO	Maintenance	100	-	3.37	-4.35	-56.56
Birmingham, AL	Ozone	Maintenance	100	-	1,001.34	1,562.05	-4,002.24

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1,005.04	1,567.83	-4,017.05
Boise-Northern Ada County, ID	CO	Maintenance	100	-	372.41	580.97	-1,488.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	372.41	580.97	-1,488.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	21.80	34.01	-87.09
Boston, MA	CO	Maintenance	100	-	878.13	1,370.21	-3,508.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	5,446.68	8,498.82	-21,759.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	727.16	1,134.63	-2,905.05
Boyd County (part), KY	SO _x	Maintenance	100	-	9.18	14.33	-36.69
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1,161.08	1,811.71	-4,638.62
Burlington, NJ	CO	Maintenance	100	-	4.83	7.54	-19.29
Butte, MT	PM ₁₀	Moderate	100	-	17.40	27.15	-69.52
Canon City, CO	PM ₁₀	Maintenance	100	-	24.97	38.96	-99.76
Canton-Massillon, OH	Ozone	Maintenance	100	-	263.85	409.28	-1,065.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	263.85	409.28	-1,065.00
Case County, MI	Ozone	Maintenance	100	-	43.45	67.79	-173.57
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.87	1.36	-3.49
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	5.08	7.93	-20.31
Charleston, WV	Ozone	Maintenance	100	-	248.32	387.48	-992.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	248.32	387.48	-992.07
Charlotte, NC	CO	Maintenance	100	-	863.98	1,348.13	-3,451.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1,888.06	2,946.06	-7,542.94
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	549.50	857.42	-2,195.30
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	509.06	794.31	-2,033.73
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	7,246.64	11,234.75	-29,276.69
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	7,509.70	11,645.23	-30,327.64
Chico, CA	CO	Maintenance	100	-	160.02	249.69	-639.28
Chico, CA	Ozone	Former Subpart 1	50	-	335.23	523.08	-1,339.25
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2,096.59	3,271.46	-8,376.06

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2,028.86	3,165.76	-8,105.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	10.68	16.67	-42.69
Clark County, NV	PM ₁₀	Serious	70	-	1,918.64	2,993.78	-7,665.11
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	296.63	462.86	-1,185.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	180.80	282.12	-722.31
Cleveland, OH	CO	Maintenance	100	-	815.89	1,273.09	-3,259.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	2,560.51	3,995.33	-10,229.44
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2,341.42	3,653.48	-9,354.18
Coachella Valley, CA	PM ₁₀	Serious	70	-	877.94	1,369.91	-3,507.45
Colbert County, AL	SO _x	Maintenance	100	-	51.41	80.22	-205.39
Colorado Springs, CO	CO	Maintenance	100	-	710.65	1,108.46	-2,841.00
Columbia Falls, MT	PM ₁₀	Moderate	100	-	6.84	10.67	-27.33
Columbia, SC	Ozone	Former Subpart 1	50	-	695.04	1,084.52	-2,776.75
Columbus, OH	Ozone	Maintenance	100	-	1,970.14	3,074.15	-7,870.88
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,834.90	2,863.11	-7,330.56
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.33	3.64	-9.34
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.24	0.37	-0.94
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	815.89	1,273.10	-3,259.57
Cuyahoga County, OH	SO _x	Maintenance	100	-	703.46	1,097.66	-2,810.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	8,446.76	13,179.78	-33,746.77
Dayton-Springfield, OH	Ozone	Maintenance	100	-	801.56	1,250.73	-3,202.30
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	703.87	1,098.30	-2,812.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	3,492.74	5,444.54	-13,978.11
Denver-Boulder, CO	CO	Maintenance	100	-	3,336.12	5,200.15	-13,352.41
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	4,224.58	6,586.46	-16,901.90
Detroit, MI	CO	Maintenance	100	-	1,254.95	1,955.91	-5,023.86
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	4,821.62	7,520.71	-19,275.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	4,730.61	7,378.70	-18,911.75

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	42.01	65.55	-167.82
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	34.75	54.22	-138.82
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	28.63	44.67	-114.38
Duluth, MN	CO	Maintenance	100	-	76.08	118.72	-303.96
Eagle River, AK	PM ₁₀	Moderate	100	-	10.74	16.75	-42.89
East Chicago, IN	CO	Maintenance	100	-	0.94	1.46	-3.74
East Chicago, IN	PM ₁₀	Maintenance	100	-	-81.81	-164.61	161.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	1.06	1.66	-4.24
El Paso County, TX	PM ₁₀	Moderate	100	-	516.57	803.13	-2,076.76
El Paso, TX	CO	Maintenance	100	-	32.00	49.93	-127.86
Erie, PA	Ozone	Maintenance	100	-	220.55	344.14	-881.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	1.97	3.07	-7.86
Eugene-Springfield, OR	CO	Maintenance	100	-	256.36	400.02	-1,024.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	246.32	384.36	-984.08
Evansville, IN	Ozone	Maintenance	100	-	259.09	404.28	-1,035.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	327.03	510.28	-1,306.50
Fairbanks, AK	CO	Maintenance	100	-	20.91	32.63	-83.55
Fayetteville, NC	Ozone	Former Subpart 1	50	-	310.30	484.18	-1,239.66
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	8.87	13.84	-35.42
Flint, MI	Ozone	Maintenance	100	-	516.74	806.31	-2,064.43
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.67	1.05	-2.68
Fort Collins, CO	CO	Maintenance	100	-	217.49	339.37	-868.91
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.57	0.89	-2.28
Fort Wayne, IN	Ozone	Maintenance	100	-	385.25	601.13	-1,539.10
Franklin County, PA	Ozone	Maintenance	100	-	167.41	261.22	-668.81
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.72	1.12	-2.87
Frederick County, VA	Ozone	Former Subpart 1	50	-	138.94	216.80	-555.09
Fredericksburg, VA	Ozone	Maintenance	100	-	521.68	814.01	-2,084.15

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	24.11	37.62	-96.32
Fresno, CA	CO	Maintenance	100	-	697.88	1,088.90	-2,788.32
Grand Rapids, MI	Ozone	Maintenance	100	-	922.34	1,439.19	-3,684.82
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	35.69	55.68	-142.57
Grant County, NM	SO _x	Maintenance	100	-	2.26	3.53	-9.05
Grants Pass, OR	CO	Maintenance	100	-	0.55	0.86	-2.21
Grants Pass, OR	PM ₁₀	Maintenance	100	-	41.02	64.01	-163.89
Great Falls, MT	CO	Maintenance	100	-	15.87	24.76	-63.39
Greater Connecticut, CT	Ozone	Moderate	50	-	1,640.06	2,559.02	-6,552.49
Greeley, CO	CO	Maintenance	100	-	142.19	221.87	-568.05
Green Bay, WI	SO _x	Maintenance	100	-	132.14	206.18	-527.90
Greene County, IN	Ozone	Maintenance	100	-	50.85	79.35	-203.17
Greene County, PA	Ozone	Maintenance	100	-	44.35	69.21	-177.19
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,662.87	2,594.59	-6,643.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	806.88	1,258.95	-3,223.98
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	878.98	1,371.44	-3,512.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	22.98	35.85	-91.80
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	121.89	190.19	-486.95
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	961.15	1,499.72	-3,840.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	885.48	1,381.65	-3,537.71
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1,033.00	1,611.78	-4,127.24
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	12.38	19.31	-49.44
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	49.39	77.07	-197.33
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	5.25	8.20	-20.99
Hazelwood, PA	SO _x	Maintenance	100	-	42.14	65.75	-168.38
Hickory, NC	PM _{2.5}	Nonattainment	100	-	168.65	263.15	-673.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	288.82	450.67	-1,153.87
Hollis Township, IL	SO _x	Maintenance	100	-	2.16	3.38	-8.64

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	5,716.52	8,841.16	-23,190.78
Humphreys County, TN	SO _x	Maintenance	100	-	2.90	4.52	-11.58
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	8.68	-22.94	-198.29
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-132.97	-243.98	367.62
Huron County, MI	Ozone	Maintenance	100	-	27.30	42.60	-109.07
Imperial County, CA	Ozone	Moderate	50	-	276.25	431.05	-1,103.63
Imperial Valley, CA	PM ₁₀	Serious	70	-	270.70	422.39	-1,081.46
Indian Wells, CA	PM ₁₀	Maintenance	100	-	32.25	50.33	-128.86
Indianapolis, IN	CO	Maintenance	100	-	0.74	1.16	-2.96
Indianapolis, IN	Ozone	Maintenance	100	-	2,235.99	3,488.97	-8,932.98
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1,779.61	2,776.85	-7,109.70
Jackson County, IN	Ozone	Maintenance	100	-	79.55	124.12	-317.79
Jamestown, NY	Ozone	Former Subpart 1	50	-	155.60	242.80	-621.65
Jefferson County, NY	Ozone	Moderate	50	-	126.64	197.60	-505.92
Jefferson County, OH	PM ₁₀	Maintenance	100	-	6.04	9.42	-24.13
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	211.35	329.78	-844.35
Johnstown, PA	Ozone	Maintenance	100	-	77.33	120.67	-308.94
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	85.17	132.89	-340.25
Juneau, AK	PM ₁₀	Moderate	100	-	14.70	22.94	-58.74
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	507.68	792.16	-2,028.21
Kalispell, MT	PM ₁₀	Moderate	100	-	35.79	55.84	-142.97
Kansas City, MO-KS	Ozone	Maintenance	100	-	1,868.27	2,914.89	-7,465.29
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	162.62	253.75	-649.70
Kent, WA	PM ₁₀	Maintenance	100	-	31.23	48.73	-124.77
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	84.38	131.67	-337.11
Kewaunee County, WI	Ozone	Maintenance	100	-	24.20	37.75	-96.66
King County, WA	PM ₁₀	Maintenance	100	-	11.97	18.68	-47.83
Klamath Falls, OR	CO	Maintenance	100	-	48.46	75.62	-193.60

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	48.46	75.62	-193.60
Knoxville, TN	Ozone	Former Subpart 1	50	-	1,410.79	2,201.35	-5,636.20
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1,063.75	1,659.84	-4,249.78
La Porte County, IN	SO _x	Maintenance	100	-	31.77	49.57	-126.92
LaGrande, OR	PM ₁₀	Maintenance	100	-	15.50	24.19	-61.93
Lake County, IN	SO _x	Maintenance	100	-	284.09	443.19	-1,135.40
Lake County, OH	SO _x	Maintenance	100	-	35.42	55.27	-141.51
Lake County, OR	PM ₁₀	Maintenance	100	-	5.73	8.95	-22.91
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	44.70	69.75	-178.59
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	101.76	158.79	-406.56
Lake Tahoe, NV	CO	Maintenance	100	-	20.46	31.93	-81.75
Lamar, CO	PM ₁₀	Maintenance	100	-	8.73	13.62	-34.87
Lame Deer, MT	PM ₁₀	Moderate	100	-	1.19	1.85	-4.74
Lancaster, PA	Ozone	Maintenance	100	-	486.93	759.76	-1,945.52
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	486.93	759.76	-1,945.52
Lane County, OR	PM ₁₀	Moderate	100	-	1.14	1.77	-4.54
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	497.46	776.22	-1,987.39
LaPorte, IN	Ozone	Maintenance	100	-	88.11	137.48	-352.01
Las Vegas, NV	CO	Serious	100	-	1,918.64	2,993.78	-7,665.11
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1,938.52	3,024.80	-7,744.54
Lauderdale County, AL	SO _x	Maintenance	100	-	82.99	129.49	-331.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.72	2.69	-6.88
Libby, MT	PM ₁₀	Moderate	100	-	3.89	6.08	-15.56
Libby, MT	PM _{2.5}	Nonattainment	100	-	5.19	8.10	-20.75
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	10.68	16.67	-42.68
Lima, OH	Ozone	Maintenance	100	-	54.83	78.83	-249.21
Longmont, CO	CO	Maintenance	100	-	115.74	180.59	-462.37
Lorain County, OH	SO _x	Maintenance	100	-	48.24	75.27	-192.73

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	17,212.98	26,800.90	-69,025.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	17,212.97	26,800.90	-69,025.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	17,212.97	26,800.90	-69,025.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	17,213.08	26,801.06	-69,026.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	17,212.21	26,799.70	-69,022.77
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	814.48	1,270.88	-3,253.90
Louisville, KY-IN	Ozone	Maintenance	100	-	1,130.42	1,763.88	-4,516.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1,074.82	1,677.11	-4,293.99
Lowell, MA	CO	Maintenance	100	-	130.80	204.10	-522.57
Lucas County, OH	SO _x	Maintenance	100	-	275.67	430.15	-1,101.33
Lyons Township, IL	PM ₁₀	Maintenance	100	-	57.66	89.97	-230.36
Macon, GA	Ozone	Maintenance	100	-	189.01	294.93	-755.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	186.54	291.07	-745.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	2.58	4.02	-10.29
Madison, WI	SO _x	Maintenance	100	-	303.33	473.31	-1,211.84
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	15.86	24.75	-63.36
Manchester, NH	CO	Maintenance	100	-	67.45	105.24	-269.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	98.42	153.57	-393.20
Marion County, IN	SO _x	Maintenance	100	-	295.05	460.38	-1,178.73
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	154.26	240.70	-616.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	335.63	523.71	-1,340.87
Mason County, MI	Ozone	Maintenance	100	-	28.40	44.31	-113.44
Medford, OR	CO	Maintenance	100	-	99.48	155.23	-397.45
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	240.03	374.53	-958.94
Memphis, TN-AR	Ozone	Maintenance	100	-	920.62	1,433.32	-3,692.19
Memphis, TN	CO	Maintenance	100	-	852.27	1,326.68	-3,419.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	36.42	56.83	-145.52

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	4.45	6.94	-17.77
Milwaukee, WI	SO _x	Maintenance	100	-	510.52	796.60	-2,039.56
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,904.44	2,971.63	-7,608.40
Minneapolis-St Paul, MN	CO	Maintenance	100	-	2,589.02	3,958.47	-10,708.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3,110.07	4,852.56	-12,426.31
Missoula, MT	CO	Maintenance	100	-	66.53	103.67	-266.40
Missoula, MT	PM ₁₀	Moderate	100	-	64.36	100.28	-257.71
Modesto, CA	CO	Maintenance	100	-	403.18	629.11	-1,610.73
Mohave County, AZ	PM ₁₀	Maintenance	100	-	139.54	217.73	-557.46
Mono Basin, CA	PM ₁₀	Moderate	100	-	1.99	3.10	-7.95
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	3.20	4.99	-12.78
Morristown, NJ	CO	Maintenance	100	-	42.75	66.71	-170.80
Muhlenberg County, KY	SO _x	Maintenance	100	-	26.94	42.03	-107.61
Muncie, IN	Ozone	Maintenance	100	-	97.87	152.72	-391.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	6.14	9.59	-24.54
Muscatine County, IA	SO _x	Maintenance	100	-	16.53	25.79	-66.03
Muskegon, MI	Ozone	Maintenance	100	-	137.40	214.38	-548.94
Nashua, NH	CO	Maintenance	100	-	55.08	85.95	-220.05
Nashville, TN	Ozone	Former Subpart 1	50	-	1,860.83	2,903.49	-7,434.61
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	212.24	331.17	-847.92
New Haven County, CT	PM ₁₀	Maintenance	100	-	172.33	268.89	-688.45
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	770.72	1,202.61	-3,079.09
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	5.70	8.89	-22.76
New York County, NY	PM ₁₀	Moderate	100	-	415.09	647.69	-1,658.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	7,881.13	12,294.30	-31,499.93
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	15,446.50	24,097.48	-61,731.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	15,303.62	23,874.53	-61,160.50
Nogales, AZ	PM ₁₀	Moderate	100	-	45.54	71.06	-181.94

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-218.14	-582.30	-213.05
Ogden, UT	CO	Maintenance	100	-	69.47	108.39	-277.53
Ogden, UT	PM ₁₀	Moderate	100	-	69.47	108.40	-277.53
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.77	2.76	-7.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	18.35	28.64	-73.32
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	130.26	203.26	-520.41
Owens Valley, CA	PM ₁₀	Serious	70	-	6.18	9.64	-24.69
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.23	0.37	-0.94
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	140.18	218.73	-560.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	141.27	220.43	-564.37
Payson, AZ	PM ₁₀	Maintenance	100	-	22.73	35.46	-90.79
Penns Grove, NJ	CO	Maintenance	100	-	0.48	0.75	-1.92
Peoria, IL	SO _x	Maintenance	100	-	94.44	147.35	-377.35
Perth Amboy, NJ	CO	Maintenance	100	-	94.01	145.14	-382.48
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	345.73	539.47	-1,381.22
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	4,150.57	6,431.11	-16,785.04
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	6,335.89	9,840.97	-25,515.73
Phoenix, AZ	CO	Maintenance	100	-	6,844.48	10,679.83	-27,344.63
Phoenix, AZ	PM ₁₀	Serious	70	-	7,018.54	10,951.42	-28,040.01
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	7,035.63	10,978.09	-28,108.29
Pierce County, WA	PM ₁₀	Maintenance	100	-	9.50	14.83	-37.97
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.89	1.38	-3.54
Pittsburgh, PA	CO	Maintenance	100	-	33.73	52.62	-134.76
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,950.79	3,043.87	-7,793.92
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,781.08	2,779.06	-7,115.91
Polk County, TN	SO _x	Maintenance	100	-	21.00	32.76	-83.88
Polson, MT	PM ₁₀	Moderate	100	-	3.84	5.99	-15.33
Portland, ME	Ozone	Maintenance	100	-	587.93	917.14	-2,349.94

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Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1,189.77	1,856.24	-4,754.27
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	42.92	66.97	-171.45
Poughkeepsie, NY	Ozone	Moderate	50	-	1,675.50	2,614.40	-6,693.78
Presque Isle, ME	PM ₁₀	Maintenance	100	-	8.30	12.96	-33.17
Providence (entire State), RI	Ozone	Moderate	50	-	1,073.49	1,674.72	-4,290.14
Provo, UT	CO	Maintenance	100	-	200.22	312.41	-799.88
Raleigh-Durham, NC	CO	Maintenance	100	-	1,550.58	2,419.42	-6,194.92
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2,102.25	3,280.24	-8,398.90
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.65	2.57	-6.58
Reading, PA	Ozone	Maintenance	100	-	341.07	532.20	-1,362.60
Reading, PA	PM _{2.5}	Nonattainment	100	-	341.07	532.20	-1,362.60
Reno, NV	CO	Maintenance	100	-	257.43	401.68	-1,028.45
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	1.54	2.40	-6.15
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1,272.16	1,984.97	-5,082.73
Rillito, AZ	PM ₁₀	Moderate	100	-	64.05	99.94	-255.88
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	877.94	1,369.91	-3,507.45
Roanoke, VA	Ozone	Former Subpart 1	50	-	256.58	400.36	-1,025.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	88.84	138.63	-354.93
Rochester, NY	Ozone	Former Subpart 1	50	-	1,375.89	2,146.89	-5,496.78
Rocky Mount, NC	Ozone	Maintenance	100	-	180.09	281.00	-719.46
Rome, GA	PM _{2.5}	Nonattainment	100	-	121.14	189.02	-483.96
Ronan, MT	PM ₁₀	Moderate	100	-	1.44	2.25	-5.75
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	2.39	3.72	-9.53
Sacramento County, CA	PM ₁₀	Moderate	100	-	1,974.84	3,081.48	-7,889.65
Sacramento Metro, CA	Ozone	Severe	25	-	3,661.43	5,712.80	-14,629.46
Sacramento, CA	CO	Maintenance	100	-	2,222.32	3,467.59	-8,878.56
Salem, OR	CO	Maintenance	100	-	131.05	204.48	-523.55
Salt Lake City, UT	CO	Maintenance	100	-	230.30	358.43	-924.20

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1,127.73	1,758.75	-4,509.51
Salt Lake County, UT	SO _x	Nonattainment	100	-	1,134.74	1,770.60	-4,533.36
San Antonio, TX	Ozone	Former Subpart 1	50	-	2,100.77	3,277.89	-8,393.13
San Bernardino County, CA	PM ₁₀	Moderate	100	-	494.93	772.28	-1,977.30
San Diego, CA	CO	Maintenance	100	-	5,286.02	8,248.14	-21,118.09
San Diego, CA	Ozone	Former Subpart 1	50	-	5,296.44	8,264.40	-21,159.73
San Francisco Bay Area, CA	Ozone	Marginal	50	-	7,497.24	11,685.66	-30,009.51
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	8,420.97	13,127.02	-33,699.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	5,905.05	9,213.44	-23,593.94
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	5,917.96	9,233.57	-23,645.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	5,905.05	9,213.44	-23,593.94
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	41.65	64.99	-166.39
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.70	1.09	-2.78
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	688.02	1,073.56	-2,748.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	3,417.06	5,331.88	-13,651.46
Sheboygan, WI	Ozone	Moderate	50	-	130.47	203.59	-521.25
Sheridan, WY	PM ₁₀	Moderate	100	-	21.70	33.85	-86.68
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.02	-0.05
Somerville, NJ	CO	Maintenance	100	-	19.26	30.05	-76.94
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	465.22	725.90	-1,858.66
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	124.29	193.93	-496.54
Spokane County, WA	PM ₁₀	Maintenance	100	-	336.53	525.11	-1,344.46
Spokane, WA	CO	Maintenance	100	-	332.55	518.89	-1,328.55
Springfield (western MA), MA	Ozone	Moderate	50	-	917.13	1,430.93	-3,664.64
Springfield, MA	CO	Maintenance	100	-	160.98	251.13	-643.38
St. Louis, MO	CO	Maintenance	100	-	760.40	1,186.50	-3,037.84
St. Louis, MO-IL	Ozone	Moderate	50	-	2,760.38	4,294.03	-11,087.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2,741.41	4,264.43	-11,011.25

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	196.28	306.27	-784.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	25.73	40.16	-102.81
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	37.47	58.46	-149.68
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	78.62	121.98	-317.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	78.62	121.98	-317.22
Stockton, CA	CO	Maintenance	100	-	626.37	977.36	-2,502.38
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.02
Syracuse, NY	CO	Maintenance	100	-	498.51	777.85	-1,991.57
Telluride, CO	PM ₁₀	Maintenance	100	-	2.47	3.86	-9.87
Terre Haute, IN	Ozone	Maintenance	100	-	113.80	177.57	-454.64
Tioga County, PA	Ozone	Maintenance	100	-	51.78	80.79	-206.85
Toledo, OH	Ozone	Maintenance	100	-	380.49	574.15	-1,607.77
Toms River, NJ	CO	Maintenance	100	-	125.16	195.30	-500.02
Tooele County, UT	SO _x	Nonattainment	100	-	111.58	174.10	-445.77
Trenton, NJ	CO	Maintenance	100	-	95.34	148.77	-380.90
Trona, CA	PM ₁₀	Moderate	100	-	4.14	6.46	-16.53
Tucson, AZ	CO	Maintenance	100	-	1,170.46	1,826.35	-4,676.08
Utah County, UT	PM ₁₀	Moderate	100	-	571.39	891.58	-2,282.75
Vancouver, WA	CO	Maintenance	100	-	389.72	608.10	-1,556.94
Ventura County, CA	Ozone	Serious	50	-	1,080.01	1,684.89	-4,316.16
Vermillion County, IN	PM ₁₀	Maintenance	100	-	6.43	10.03	-25.67
Vigo County, IN	SO _x	Maintenance	100	-	113.80	177.57	-454.64
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	57.59	89.86	-230.07
Warren County, NJ	SO _x	Maintenance	100	-	38.58	60.20	-154.12
Warren County, PA	SO _x	Nonattainment	100	-	12.22	19.05	-48.91
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	215.16	335.73	-859.58
Washington, DC-MD-VA	CO	Maintenance	100	-	1,744.72	2,722.40	-6,970.29

Appendix B

Table B.1-48
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	6,252.05	9,755.51	-24,977.47
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	6,107.21	9,529.49	-24,398.80
Washoe County, NV	PM ₁₀	Serious	70	-	257.43	401.68	-1,028.45
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	3.98	6.21	-15.89
Wayne County, IN	SO _x	Maintenance	100	-	60.84	94.94	-243.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	117.73	182.16	-477.28
Weirton, WV	PM ₁₀	Maintenance	100	-	6.31	9.85	-25.22
Weirton, WV	SO _x	Maintenance	100	-	8.91	13.90	-35.59
Wheeling, WV-OH	Ozone	Maintenance	100	-	127.13	198.36	-507.88
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	127.13	198.36	-507.88
Winston-Salem, NC	CO	Maintenance	100	-	438.09	683.58	-1,750.20
Worcester, MA	CO	Maintenance	100	-	260.69	406.76	-1,041.46
Yakima County, WA	PM ₁₀	Maintenance	100	-	100.59	156.95	-401.85
Yakima, WA	CO	Maintenance	100	-	49.64	77.46	-198.32
York, PA	Ozone	Maintenance	100	-	495.38	772.98	-1,979.09
York, PA	PM _{2.5}	Nonattainment	100	-	383.19	597.91	-1,530.86
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	571.10	891.13	-2,281.60
Yuma, AZ	PM ₁₀	Moderate	100	-	227.63	355.19	-909.41

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	3.49	4.62	19.63
Albuquerque, NM	CO	Maintenance	100	-	1.71	2.26	9.29
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.41	0.54	2.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.57	2.07	9.00
Altoona, PA	Ozone	Maintenance	100	-	0.30	0.40	1.64
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.44	0.59	2.42
Anchorage, AK	CO	Maintenance	100	-	0.40	0.53	2.17
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.03	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.02	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	0.11
Atlanta, GA	Ozone	Moderate	50	-	18.74	24.83	102.98
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	18.75	24.85	103.04
Atlantic City, NJ	CO	Maintenance	100	-	0.15	0.20	0.82
Bakersfield, CA	CO	Maintenance	100	-	-4.39	-6.09	-5.84
Baltimore, MD	CO	Maintenance	100	-	0.01	0.02	0.13
Baltimore, MD	Ozone	Moderate	50	-	8.04	10.63	45.43
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	8.04	10.63	45.42
Baton Rouge, LA	Ozone	Moderate	50	-	-164.33	-225.68	-361.59
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-464.07	-637.13	-1,036.08
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.52	0.69	2.89
Benzie County, MI	Ozone	Maintenance	100	-	0.06	0.08	0.34
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.42	0.55	2.28
Billings, MT	CO	Maintenance	100	-	-55.14	-75.71	-122.88
Birmingham, AL	Ozone	Maintenance	100	-	-2.32	-3.32	4.31

Appendix B

Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.31	-3.31	4.36
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.70	0.92	4.54
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.70	0.92	4.54
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.05	0.06	0.25
Boston, MA	CO	Maintenance	100	-	2.48	3.28	13.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	14.70	19.49	80.18
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.86	2.46	10.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	0.04	0.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.36	4.45	18.30
Burlington, NJ	CO	Maintenance	100	-	0.02	0.03	0.13
Butte, MT	PM ₁₀	Moderate	100	-	0.06	0.08	0.34
Canon City, CO	PM ₁₀	Maintenance	100	-	0.05	0.07	0.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	-17.95	-24.68	-37.44
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-17.95	-24.68	-37.44
Case County, MI	Ozone	Maintenance	100	-	0.13	0.17	0.69
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.03	0.10
Charleston, WV	Ozone	Maintenance	100	-	0.82	1.09	4.47
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.82	1.09	4.47
Charlotte, NC	CO	Maintenance	100	-	2.08	2.76	11.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	4.68	6.21	25.51
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.56	2.07	8.60
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.41	1.87	7.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-286.39	-394.11	-576.79
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-285.70	-393.19	-573.03
Chico, CA	CO	Maintenance	100	-	0.29	0.39	1.60
Chico, CA	Ozone	Former Subpart 1	50	-	0.69	0.91	3.75
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	5.68	7.53	30.98

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Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	5.52	7.32	30.09
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.22
Clark County, NV	PM ₁₀	Serious	70	-	4.17	5.53	22.74
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.74	0.98	4.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.52	0.70	2.86
Cleveland, OH	CO	Maintenance	100	-	2.79	3.69	15.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	7.51	9.95	40.92
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	6.93	9.19	37.79
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.75	2.32	9.52
Colbert County, AL	SO _x	Maintenance	100	-	0.18	0.24	0.97
Colorado Springs, CO	CO	Maintenance	100	-	1.17	1.53	7.96
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	1.88	2.49	10.23
Columbus, OH	Ozone	Maintenance	100	-	4.76	6.30	25.92
Columbus, OH	PM _{2.5}	Nonattainment	100	-	4.41	5.84	24.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.79	3.69	15.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.27	3.01	12.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	18.92	25.05	105.28
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.45	3.25	13.36
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.17	2.88	11.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-25.79	-35.80	-30.73
Denver-Boulder, CO	CO	Maintenance	100	-	-26.15	-36.28	-32.72
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-24.07	-33.52	-21.33
Detroit, MI	CO	Maintenance	100	-	-31.42	-43.35	-55.27
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-32.09	-44.68	-28.96
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-32.33	-45.01	-30.31

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Table B.1-49
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.10	0.14	0.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.10	0.14	0.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.08	0.11	0.44
Duluth, MN	CO	Maintenance	100	-	0.24	0.32	1.31
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	0.03	0.13
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-203.96	-280.02	-455.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-19.77	-27.21	-39.85
El Paso, TX	CO	Maintenance	100	-	0.08	0.11	0.48
Erie, PA	Ozone	Maintenance	100	-	0.67	0.88	3.64
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.66	0.87	3.59
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.63	0.83	3.43
Evansville, IN	Ozone	Maintenance	100	-	0.74	0.97	4.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.95	1.26	5.17
Fairbanks, AK	CO	Maintenance	100	-	0.05	0.06	0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.85	1.13	4.64
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.11
Flint, MI	Ozone	Maintenance	100	-	1.51	2.01	8.25
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.49	0.66	2.69
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.05	1.40	5.74
Franklin County, PA	Ozone	Maintenance	100	-	0.44	0.58	2.38
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.38	0.50	2.05
Fredericksburg, VA	Ozone	Maintenance	100	-	1.16	1.53	6.30

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**Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.05	0.06	0.26
Fresno, CA	CO	Maintenance	100	-	1.52	2.01	8.74
Grand Rapids, MI	Ozone	Maintenance	100	-	2.31	3.06	12.60
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.12	0.16	0.65
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.09	0.12	0.50
Great Falls, MT	CO	Maintenance	100	-	0.06	0.08	0.32
Greater Connecticut, CT	Ozone	Moderate	50	-	4.66	6.17	25.81
Greeley, CO	CO	Maintenance	100	-	0.35	0.46	1.91
Green Bay, WI	SO _x	Maintenance	100	-	0.35	0.47	1.92
Greene County, IN	Ozone	Maintenance	100	-	0.14	0.19	0.77
Greene County, PA	Ozone	Maintenance	100	-	0.13	0.18	0.72
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4.53	6.00	25.27
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.16	2.85	12.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.43	3.21	13.87
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.07	0.09	0.36
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.33	0.44	1.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.35	3.12	13.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.17	2.87	12.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.98	3.94	16.66
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	0.04	0.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.11	0.14	0.60
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.02	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.10	0.14	0.61
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.52	0.69	2.85
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.86	1.14	4.67
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.03

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Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-516.97	-710.44	-1,106.78
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-111.56	-153.20	-247.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-111.97	-153.73	-249.31
Huron County, MI	Ozone	Maintenance	100	-	0.08	0.11	0.45
Imperial County, CA	Ozone	Moderate	50	-	0.61	0.81	3.33
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.60	0.79	3.25
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.10	0.13	0.53
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	5.73	7.59	31.20
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	4.53	6.01	24.71
Jackson County, IN	Ozone	Maintenance	100	-	0.23	0.31	1.26
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.45	0.60	2.46
Jefferson County, NY	Ozone	Moderate	50	-	0.36	0.48	1.95
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	0.13
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.63	0.84	3.45
Johnstown, PA	Ozone	Maintenance	100	-	0.31	0.41	1.67
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.34	0.44	1.83
Juneau, AK	PM ₁₀	Moderate	100	-	0.03	0.04	0.16
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.47	1.95	8.00
Kalispell, MT	PM ₁₀	Moderate	100	-	0.08	0.11	0.45
Kansas City, MO-KS	Ozone	Maintenance	100	-	4.17	5.50	24.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.41	0.54	2.23
Kent, WA	PM ₁₀	Maintenance	100	-	0.07	0.09	0.38
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.24	0.32	1.30
Kewaunee County, WI	Ozone	Maintenance	100	-	0.07	0.10	0.39
King County, WA	PM ₁₀	Maintenance	100	-	0.03	0.04	0.16
Klamath Falls, OR	CO	Maintenance	100	-	0.14	0.19	0.79

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.14	0.19	0.79
Knoxville, TN	Ozone	Former Subpart 1	50	-	3.35	4.45	18.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.61	3.46	14.22
La Porte County, IN	SO _x	Maintenance	100	-	0.10	0.14	0.56
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.04	0.06	0.24
Lake County, IN	SO _x	Maintenance	100	-	0.80	1.05	4.66
Lake County, OH	SO _x	Maintenance	100	-	0.10	0.14	0.57
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	0.10
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.08	0.10	0.43
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.17	0.22	0.91
Lake Tahoe, NV	CO	Maintenance	100	-	0.06	0.08	0.32
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.03	0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lancaster, PA	Ozone	Maintenance	100	-	1.22	1.61	6.88
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.22	1.61	6.88
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.38	1.83	7.51
LaPorte, IN	Ozone	Maintenance	100	-	0.29	0.38	1.57
Las Vegas, NV	CO	Serious	100	-	4.17	5.53	22.74
Las Vegas, NV	Ozone	Former Subpart 1	50	-	4.24	5.62	23.10
Lauderdale County, AL	SO _x	Maintenance	100	-	0.26	0.34	1.41
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.09
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.22
Lima, OH	Ozone	Maintenance	100	-	-97.26	-133.53	-216.91
Longmont, CO	CO	Maintenance	100	-	0.26	0.34	1.39
Lorain County, OH	SO _x	Maintenance	100	-	0.13	0.18	0.72

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-91.47	-127.61	-65.95
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-91.47	-127.61	-65.95
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-91.47	-127.61	-65.95
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-91.47	-127.61	-65.95
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-91.47	-127.62	-65.97
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.95	2.59	10.64
Louisville, KY-IN	Ozone	Maintenance	100	-	3.29	4.35	17.91
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.19	4.23	17.37
Lowell, MA	CO	Maintenance	100	-	0.32	0.43	1.77
Lucas County, OH	SO _x	Maintenance	100	-	0.88	1.17	4.80
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.18	0.24	0.99
Macon, GA	Ozone	Maintenance	100	-	0.62	0.82	3.38
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.61	0.81	3.35
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Madison, WI	SO _x	Maintenance	100	-	0.69	0.91	3.74
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.03	0.14
Manchester, NH	CO	Maintenance	100	-	0.23	0.30	1.24
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.30	0.39	1.62
Marion County, IN	SO _x	Maintenance	100	-	0.92	1.22	5.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.31	0.41	1.68
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.92	1.22	5.02
Mason County, MI	Ozone	Maintenance	100	-	0.08	0.10	0.41
Medford, OR	CO	Maintenance	100	-	0.22	0.29	1.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.52	0.69	2.82
Memphis, TN-AR	Ozone	Maintenance	100	-	-23.64	-32.59	-43.55
Memphis, TN	CO	Maintenance	100	-	-23.88	-32.91	-44.86
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.08	0.11	0.45

Appendix B

Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	0.08
Milwaukee, WI	SO _x	Maintenance	100	-	1.55	2.06	8.46
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.12	6.79	27.93
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-83.73	-115.34	-161.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	7.47	9.87	42.44
Missoula, MT	CO	Maintenance	100	-	-0.08	-0.12	0.39
Missoula, MT	PM ₁₀	Moderate	100	-	-0.08	-0.11	0.38
Modesto, CA	CO	Maintenance	100	-	0.85	1.13	4.63
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.29	0.38	1.55
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.05
Morristown, NJ	CO	Maintenance	100	-	0.09	0.12	0.50
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.09	0.11	0.47
Muncie, IN	Ozone	Maintenance	100	-	0.35	0.46	1.89
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.04	0.06	0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.36	0.48	2.01
Nashua, NH	CO	Maintenance	100	-	0.18	0.24	0.99
Nashville, TN	Ozone	Former Subpart 1	50	-	4.48	5.93	24.98
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.37	0.50	2.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.39	0.52	2.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.30	3.04	12.51
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.02	0.10
New York County, NY	PM ₁₀	Moderate	100	-	1.35	1.79	7.36
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-30.51	-42.96	4.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-33.51	-48.03	62.79
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-33.87	-48.51	60.84
Nogales, AZ	PM ₁₀	Moderate	100	-	0.12	0.15	0.64

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Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-56.00	-77.09	-110.85
Ogden, UT	CO	Maintenance	100	-	0.21	0.27	1.12
Ogden, UT	PM ₁₀	Moderate	100	-	0.21	0.27	1.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.06	0.08	0.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.30	0.40	1.64
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.42	0.56	2.31
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.43	0.57	2.33
Payson, AZ	PM ₁₀	Maintenance	100	-	0.06	0.07	0.30
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.16	0.21	1.31
Perth Amboy, NJ	CO	Maintenance	100	-	-22.65	-31.10	-50.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.16	1.53	6.31
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-183.79	-252.91	-370.42
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-178.07	-245.34	-338.32
Phoenix, AZ	CO	Maintenance	100	-	12.40	16.43	68.39
Phoenix, AZ	PM ₁₀	Serious	70	-	12.80	16.95	70.57
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	12.84	17.02	70.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	0.04	0.17
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.06	0.08	0.34
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	5.54	7.33	31.22
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.04	6.67	28.48
Polk County, TN	SO _x	Maintenance	100	-	0.06	0.08	0.33
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
Portland, ME	Ozone	Maintenance	100	-	1.16	1.51	7.79

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Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	3.01	3.98	17.54
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.13	0.17	0.70
Poughkeepsie, NY	Ozone	Moderate	50	-	3.82	5.07	20.83
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	0.04	0.15
Providence (entire State), RI	Ozone	Moderate	50	-	2.24	2.94	14.08
Provo, UT	CO	Maintenance	100	-	0.46	0.60	2.48
Raleigh-Durham, NC	CO	Maintenance	100	-	3.57	4.73	19.81
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	4.92	6.51	27.13
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Reading, PA	Ozone	Maintenance	100	-	0.97	1.28	5.26
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.97	1.28	5.26
Reno, NV	CO	Maintenance	100	-	0.70	0.93	3.84
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.19	4.21	18.51
Rillito, AZ	PM ₁₀	Moderate	100	-	0.13	0.18	0.73
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.75	2.32	9.52
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.77	1.02	4.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.23	0.30	1.25
Rochester, NY	Ozone	Former Subpart 1	50	-	3.88	5.14	21.13
Rocky Mount, NC	Ozone	Maintenance	100	-	0.54	0.72	2.96
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.35	0.46	1.90
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	4.12	5.46	22.43
Sacramento Metro, CA	Ozone	Severe	25	-	6.99	9.25	39.22
Sacramento, CA	CO	Maintenance	100	-	4.53	6.01	24.84
Salem, OR	CO	Maintenance	100	-	0.38	0.51	2.08
Salt Lake City, UT	CO	Maintenance	100	-	-10.35	-14.23	-21.24

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Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-8.01	-11.13	-8.48
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.95	3.90	16.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	4.60	6.06	27.28
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.21	1.60	6.59
San Diego, CA	CO	Maintenance	100	-	11.40	15.11	62.57
San Diego, CA	Ozone	Former Subpart 1	50	-	11.42	15.13	62.68
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-262.21	-360.82	-529.56
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-259.78	-357.58	-516.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.71	8.61	55.37
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.77	8.69	55.69
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.71	8.61	55.37
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.09	0.12	0.51
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.94	2.57	10.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	8.48	11.25	46.24
Sheboygan, WI	Ozone	Moderate	50	-	0.34	0.45	1.85
Sheridan, WY	PM ₁₀	Moderate	100	-	0.06	0.08	0.35
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.05	0.07	0.27
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.14	1.50	6.74
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.52	0.69	2.86
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.84	1.12	4.60
Spokane, WA	CO	Maintenance	100	-	0.84	1.11	4.55
Springfield (western MA), MA	Ozone	Moderate	50	-	2.35	3.10	13.57
Springfield, MA	CO	Maintenance	100	-	0.33	0.43	2.06
St. Louis, MO	CO	Maintenance	100	-	2.75	3.64	14.98
St. Louis, MO-IL	Ozone	Moderate	50	-	-149.24	-205.29	-306.60
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-149.30	-205.36	-306.91

Appendix B

Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.48	0.64	2.64
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.05	0.07	0.27
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.13	0.17	0.69
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.46	-7.51	-11.31
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.46	-7.51	-11.31
Stockton, CA	CO	Maintenance	100	-	1.28	1.70	6.98
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.50	1.99	8.19
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.39	0.52	2.14
Tioga County, PA	Ozone	Maintenance	100	-	0.17	0.22	0.91
Toledo, OH	Ozone	Maintenance	100	-	-92.54	-127.11	-202.18
Toms River, NJ	CO	Maintenance	100	-	0.28	0.37	1.52
Tooele County, UT	SO _x	Nonattainment	100	-	0.29	0.38	1.57
Trenton, NJ	CO	Maintenance	100	-	0.25	0.34	1.39
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Tucson, AZ	CO	Maintenance	100	-	2.81	3.72	15.29
Utah County, UT	PM ₁₀	Moderate	100	-	1.37	1.81	7.46
Vancouver, WA	CO	Maintenance	100	-	0.86	1.14	4.71
Ventura County, CA	Ozone	Serious	50	-	2.06	2.72	12.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.03	0.12
Vigo County, IN	SO _x	Maintenance	100	-	0.39	0.52	2.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.16	0.22	0.89
Warren County, NJ	SO _x	Maintenance	100	-	0.10	0.14	0.56
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.02	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.62	0.82	3.37
Washington, DC-MD-VA	CO	Maintenance	100	-	4.51	5.98	24.57

Appendix B

**Table B.1-49
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	15.29	20.27	83.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	14.98	19.86	81.64
Washoe County, NV	PM ₁₀	Serious	70	-	0.70	0.93	3.84
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.21	0.28	1.17
Wayne County, MI	PM ₁₀	Maintenance	100	-	-23.56	-32.36	-52.13
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	0.04	0.16
Weirton, WV	SO _x	Maintenance	100	-	0.04	0.05	0.21
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.45	0.59	2.43
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.45	0.59	2.43
Winston-Salem, NC	CO	Maintenance	100	-	1.18	1.57	6.44
Worcester, MA	CO	Maintenance	100	-	0.62	0.82	3.36
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.27	0.35	1.45
Yakima, WA	CO	Maintenance	100	-	0.11	0.14	0.58
York, PA	Ozone	Maintenance	100	-	1.27	1.68	6.92
York, PA	PM _{2.5}	Nonattainment	100	-	0.99	1.31	5.39
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.89	2.51	10.31
Yuma, AZ	PM ₁₀	Moderate	100	-	0.52	0.69	2.83

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.05	0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.05	0.18
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	8.23	14.21	53.76
Albuquerque, NM	CO	Maintenance	100	-	3.98	6.84	25.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.98	1.69	6.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	3.70	6.41	24.77
Altoona, PA	Ozone	Maintenance	100	-	0.69	1.18	4.33
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.12	1.93	7.07
Anchorage, AK	CO	Maintenance	100	-	0.96	1.65	6.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.05	0.09	0.32
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.06	0.21
Aspen, CO	PM ₁₀	Maintenance	100	-	0.05	0.08	0.30
Atlanta, GA	Ozone	Moderate	50	-	44.71	76.94	284.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	44.74	76.98	284.32
Atlantic City, NJ	CO	Maintenance	100	-	0.35	0.60	2.19
Bakersfield, CA	CO	Maintenance	100	-	-8.91	-13.32	0.69
Baltimore, MD	CO	Maintenance	100	-	0.04	0.07	0.38
Baltimore, MD	Ozone	Moderate	50	-	19.14	33.07	125.59
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	19.14	33.07	125.59
Baton Rouge, LA	Ozone	Moderate	50	-	-346.24	-536.53	-504.35
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-978.92	-1,518.76	-1,478.25
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	1.18	2.04	7.61
Benzie County, MI	Ozone	Maintenance	100	-	0.15	0.27	0.97
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.99	1.70	6.24
Billings, MT	CO	Maintenance	100	-	-116.30	-180.41	-174.80
Birmingham, AL	Ozone	Maintenance	100	-	-4.29	-5.51	26.16

Appendix B

Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.27	-5.47	26.30
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.73	3.05	13.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.73	3.05	13.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.11	0.19	0.71
Boston, MA	CO	Maintenance	100	-	5.76	9.89	36.26
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	34.46	59.23	217.15
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	4.39	7.55	27.66
Boyd County (part), KY	SO _x	Maintenance	100	-	0.07	0.11	0.41
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	7.79	13.39	49.04
Burlington, NJ	CO	Maintenance	100	-	0.06	0.10	0.35
Butte, MT	PM ₁₀	Moderate	100	-	0.14	0.24	0.89
Canon City, CO	PM ₁₀	Maintenance	100	-	0.13	0.23	0.83
Canton-Massillon, OH	Ozone	Maintenance	100	-	-37.70	-58.18	-47.95
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-37.70	-58.18	-47.95
Case County, MI	Ozone	Maintenance	100	-	0.29	0.51	1.86
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.04	0.07	0.27
Charleston, WV	Ozone	Maintenance	100	-	1.87	3.21	11.76
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.87	3.21	11.76
Charlotte, NC	CO	Maintenance	100	-	4.98	8.55	31.34
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	11.13	19.13	70.07
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	3.63	6.24	23.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	3.29	5.67	21.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-599.21	-921.97	-684.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-597.58	-919.17	-674.70
Chico, CA	CO	Maintenance	100	-	0.73	1.26	4.63
Chico, CA	Ozone	Former Subpart 1	50	-	1.69	2.91	10.66
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	13.31	22.88	83.84

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	12.93	22.22	81.39
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.08	0.15	0.58
Clark County, NV	PM ₁₀	Serious	70	-	10.15	17.45	63.94
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.75	3.01	11.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.22	2.09	7.66
Cleveland, OH	CO	Maintenance	100	-	6.31	10.85	39.77
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	17.38	29.87	109.43
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	16.02	27.54	100.90
Coachella Valley, CA	PM ₁₀	Serious	70	-	4.33	7.43	27.24
Colbert County, AL	SO _x	Maintenance	100	-	0.40	0.69	2.54
Colorado Springs, CO	CO	Maintenance	100	-	2.96	5.26	23.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.23
Columbia, SC	Ozone	Former Subpart 1	50	-	4.40	7.55	27.68
Columbus, OH	Ozone	Maintenance	100	-	11.36	19.52	71.53
Columbus, OH	PM _{2.5}	Nonattainment	100	-	10.54	18.11	66.34
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	6.31	10.85	39.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	5.16	8.87	32.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	45.70	78.79	294.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	5.64	9.69	35.52
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	4.99	8.57	31.39
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-52.02	-77.36	17.06
Denver-Boulder, CO	CO	Maintenance	100	-	-52.90	-78.87	11.54
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-47.90	-70.29	43.12
Detroit, MI	CO	Maintenance	100	-	-65.17	-99.35	-48.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-64.68	-95.17	50.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-65.26	-96.17	46.98

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**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.25	0.43	1.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.24	0.41	1.50
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.19	0.32	1.19
Duluth, MN	CO	Maintenance	100	-	0.55	0.94	3.46
Eagle River, AK	PM ₁₀	Moderate	100	-	0.06	0.10	0.36
East Chicago, IN	CO	Maintenance	100	-	0.01	0.01	0.04
East Chicago, IN	PM ₁₀	Maintenance	100	-	-430.21	-667.43	-648.69
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-41.36	-63.64	-47.33
El Paso, TX	CO	Maintenance	100	-	0.20	0.34	1.31
Erie, PA	Ozone	Maintenance	100	-	1.54	2.64	9.68
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	1.56	2.67	9.79
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.49	2.55	9.36
Evansville, IN	Ozone	Maintenance	100	-	1.71	2.94	10.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.20	3.78	13.85
Fairbanks, AK	CO	Maintenance	100	-	0.12	0.20	0.74
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.99	3.42	12.54
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.08	0.31
Flint, MI	Ozone	Maintenance	100	-	3.51	6.03	22.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	1.19	2.05	7.52
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	2.46	4.23	15.51
Franklin County, PA	Ozone	Maintenance	100	-	1.03	1.77	6.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.88	1.52	5.55
Fredericksburg, VA	Ozone	Maintenance	100	-	2.80	4.82	17.66

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**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.12	0.20	0.74
Fresno, CA	CO	Maintenance	100	-	3.71	6.42	24.67
Grand Rapids, MI	Ozone	Maintenance	100	-	5.48	9.43	34.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.27	0.46	1.72
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.03	0.11
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.22	0.38	1.40
Great Falls, MT	CO	Maintenance	100	-	0.13	0.23	0.83
Greater Connecticut, CT	Ozone	Moderate	50	-	10.81	18.63	69.44
Greeley, CO	CO	Maintenance	100	-	0.83	1.43	5.24
Green Bay, WI	SO _x	Maintenance	100	-	0.83	1.43	5.23
Greene County, IN	Ozone	Maintenance	100	-	0.33	0.56	2.07
Greene County, PA	Ozone	Maintenance	100	-	0.31	0.53	1.93
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	10.58	18.25	68.43
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	5.04	8.73	33.55
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	5.65	9.78	37.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.15	0.26	0.96
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.78	1.34	4.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	5.60	9.65	36.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	5.15	8.89	33.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	6.89	11.90	44.79
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.07	0.12	0.43
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.26	0.45	1.67
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.03	0.06	0.21
Hazelwood, PA	SO _x	Maintenance	100	-	0.24	0.42	1.66
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.20	2.06	7.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.98	3.40	12.46
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.02	0.09

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**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,086.62	-1,680.01	-1,473.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.03	0.12
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-235.23	-364.71	-348.54
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-236.16	-366.33	-354.44
Huron County, MI	Ozone	Maintenance	100	-	0.19	0.33	1.21
Imperial County, CA	Ozone	Moderate	50	-	1.48	2.55	9.33
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.45	2.49	9.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.23	0.39	1.42
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.01	0.04
Indianapolis, IN	Ozone	Maintenance	100	-	13.54	23.27	85.24
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	10.73	18.44	67.56
Jackson County, IN	Ozone	Maintenance	100	-	0.53	0.92	3.37
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.05	1.80	6.59
Jefferson County, NY	Ozone	Moderate	50	-	0.83	1.43	5.25
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.05	0.09	0.33
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.46	2.51	9.20
Johnstown, PA	Ozone	Maintenance	100	-	0.68	1.17	4.29
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.75	1.28	4.70
Juneau, AK	PM ₁₀	Moderate	100	-	0.07	0.13	0.46
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	3.40	5.85	21.44
Kalispell, MT	PM ₁₀	Moderate	100	-	0.20	0.34	1.25
Kansas City, MO-KS	Ozone	Maintenance	100	-	10.01	17.42	68.99
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.97	1.67	6.10
Kent, WA	PM ₁₀	Maintenance	100	-	0.17	0.29	1.07
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.56	0.96	3.52
Kewaunee County, WI	Ozone	Maintenance	100	-	0.17	0.29	1.05
King County, WA	PM ₁₀	Maintenance	100	-	0.07	0.12	0.44
Klamath Falls, OR	CO	Maintenance	100	-	0.33	0.57	2.10

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Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.33	0.57	2.10
Knoxville, TN	Ozone	Former Subpart 1	50	-	8.03	13.80	50.57
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	6.21	10.68	39.13
La Porte County, IN	SO _x	Maintenance	100	-	0.23	0.40	1.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.10	0.17	0.64
Lake County, IN	SO _x	Maintenance	100	-	1.85	3.21	12.61
Lake County, OH	SO _x	Maintenance	100	-	0.24	0.41	1.52
Lake County, OR	PM ₁₀	Maintenance	100	-	0.04	0.07	0.26
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.20	0.34	1.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.42	0.73	2.67
Lake Tahoe, NV	CO	Maintenance	100	-	0.14	0.23	0.86
Lamar, CO	PM ₁₀	Maintenance	100	-	0.06	0.10	0.38
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Lancaster, PA	Ozone	Maintenance	100	-	2.88	4.97	18.91
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.88	4.97	18.91
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	3.22	5.53	20.27
LaPorte, IN	Ozone	Maintenance	100	-	0.66	1.13	4.13
Las Vegas, NV	CO	Serious	100	-	10.15	17.45	63.94
Las Vegas, NV	Ozone	Former Subpart 1	50	-	10.30	17.71	64.88
Lauderdale County, AL	SO _x	Maintenance	100	-	0.59	1.02	3.73
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.02	0.07
Libby, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.19
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.25
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.15	0.58
Lima, OH	Ozone	Maintenance	100	-	-205.15	-318.26	-308.98
Longmont, CO	CO	Maintenance	100	-	0.62	1.06	3.88
Lorain County, OH	SO _x	Maintenance	100	-	0.31	0.53	1.95

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**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-181.23	-264.06	216.31
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-181.23	-264.06	216.31
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-181.23	-264.06	216.31
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-181.23	-264.05	216.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-181.24	-264.07	216.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	4.67	8.03	29.41
Louisville, KY-IN	Ozone	Maintenance	100	-	7.61	13.09	47.94
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	7.37	12.66	46.38
Lowell, MA	CO	Maintenance	100	-	0.77	1.32	4.82
Lucas County, OH	SO _x	Maintenance	100	-	2.01	3.46	12.69
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.42	0.71	2.63
Macon, GA	Ozone	Maintenance	100	-	1.41	2.43	8.90
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.40	2.40	8.80
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.03	0.12
Madison, WI	SO _x	Maintenance	100	-	1.66	2.85	10.43
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.06	0.11	0.41
Manchester, NH	CO	Maintenance	100	-	0.52	0.90	3.28
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.68	1.17	4.30
Marion County, IN	SO _x	Maintenance	100	-	2.11	3.63	13.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.76	1.31	4.80
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.15	3.70	13.56
Mason County, MI	Ozone	Maintenance	100	-	0.18	0.31	1.12
Medford, OR	CO	Maintenance	100	-	0.53	0.91	3.32
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.26	2.16	7.92
Memphis, TN-AR	Ozone	Maintenance	100	-	-49.33	-75.43	-43.00
Memphis, TN	CO	Maintenance	100	-	-49.87	-76.36	-46.40
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.20	0.34	1.25

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**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.05	0.22
Milwaukee, WI	SO _x	Maintenance	100	-	3.56	6.12	22.44
Milwaukee-Racine, WI	Ozone	Moderate	50	-	12.02	20.65	75.68
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-174.58	-267.69	-172.99
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	17.78	30.75	117.42
Missoula, MT	CO	Maintenance	100	-	-0.12	-0.12	1.80
Missoula, MT	PM ₁₀	Moderate	100	-	-0.12	-0.11	1.74
Modesto, CA	CO	Maintenance	100	-	2.09	3.59	13.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.70	1.21	4.42
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.04	0.14
Morristown, NJ	CO	Maintenance	100	-	0.22	0.38	1.39
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.20	0.34	1.23
Muncie, IN	Ozone	Maintenance	100	-	0.78	1.34	4.91
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.03	0.05	0.19
Muscatine County, IA	SO _x	Maintenance	100	-	0.10	0.18	0.64
Muskegon, MI	Ozone	Maintenance	100	-	0.85	1.46	5.46
Nashua, NH	CO	Maintenance	100	-	0.42	0.71	2.62
Nashville, TN	Ozone	Former Subpart 1	50	-	10.67	18.41	69.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.95	1.64	6.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.94	1.61	5.91
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	5.30	9.11	33.39
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.04	0.07	0.25
New York County, NY	PM ₁₀	Moderate	100	-	3.08	5.29	19.38
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-59.59	-83.66	161.28
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-61.08	-78.07	385.61
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-61.93	-79.53	380.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.28	0.47	1.74

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Table B.1-50							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-117.16	-180.06	-127.79
Ogden, UT	CO	Maintenance	100	-	0.47	0.81	2.99
Ogden, UT	PM ₁₀	Moderate	100	-	0.47	0.81	2.99
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.10
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.14	0.24	0.89
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.72	1.25	4.56
Owens Valley, CA	PM ₁₀	Serious	70	-	0.03	0.04	0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.98	1.68	6.16
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.98	1.69	6.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.13	0.23	0.83
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.39	0.72	3.82
Perth Amboy, NJ	CO	Maintenance	100	-	-47.71	-73.96	-70.15
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.63	4.52	16.57
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-385.04	-592.55	-443.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-371.61	-569.37	-356.05
Phoenix, AZ	CO	Maintenance	100	-	31.29	53.88	199.59
Phoenix, AZ	PM ₁₀	Serious	70	-	32.26	55.53	205.67
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	32.37	55.72	206.37
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.07	0.12	0.45
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Pittsburgh, PA	CO	Maintenance	100	-	0.14	0.24	0.96
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	12.85	22.19	84.08
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	11.69	20.20	76.74
Polk County, TN	SO _x	Maintenance	100	-	0.14	0.24	0.89
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.12
Portland, ME	Ozone	Maintenance	100	-	2.81	5.00	22.36

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	7.09	12.31	48.14
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.30	0.51	1.86
Poughkeepsie, NY	Ozone	Moderate	50	-	9.22	15.85	58.07
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.06	0.11	0.39
Providence (entire State), RI	Ozone	Moderate	50	-	5.42	9.52	39.97
Provo, UT	CO	Maintenance	100	-	1.10	1.89	6.93
Raleigh-Durham, NC	CO	Maintenance	100	-	8.59	14.80	55.14
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	11.79	20.31	75.31
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Reading, PA	Ozone	Maintenance	100	-	2.25	3.86	14.15
Reading, PA	PM _{2.5}	Nonattainment	100	-	2.25	3.86	14.15
Reno, NV	CO	Maintenance	100	-	1.65	2.83	10.38
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	7.51	13.04	50.89
Rillito, AZ	PM ₁₀	Moderate	100	-	0.33	0.57	2.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	4.33	7.43	27.24
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.77	3.04	11.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.54	0.93	3.41
Rochester, NY	Ozone	Former Subpart 1	50	-	9.03	15.52	56.85
Rocky Mount, NC	Ozone	Maintenance	100	-	1.25	2.15	7.89
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.81	1.39	5.10
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.03	0.11
Sacramento County, CA	PM ₁₀	Moderate	100	-	10.10	17.36	63.61
Sacramento Metro, CA	Ozone	Severe	25	-	17.44	30.10	113.28
Sacramento, CA	CO	Maintenance	100	-	11.18	19.24	70.84
Salem, OR	CO	Maintenance	100	-	0.88	1.52	5.57
Salt Lake City, UT	CO	Maintenance	100	-	-21.67	-33.40	-26.17

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-16.16	-23.92	8.56
Salt Lake County, UT	SO _x	Nonattainment	100	-	6.95	11.94	43.76
San Antonio, TX	Ozone	Former Subpart 1	50	-	11.08	19.29	76.76
San Bernardino County, CA	PM ₁₀	Moderate	100	-	2.90	4.99	18.29
San Diego, CA	CO	Maintenance	100	-	27.78	47.79	176.26
San Diego, CA	Ozone	Former Subpart 1	50	-	27.83	47.88	176.58
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-548.11	-843.42	-628.48
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-542.36	-833.54	-592.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	18.35	33.61	174.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	18.48	33.83	175.44
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	18.35	33.61	174.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.23	0.39	1.43
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	4.51	7.76	28.43
Seattle-Tacoma, WA	CO	Maintenance	100	-	20.17	34.67	127.02
Sheboygan, WI	Ozone	Moderate	50	-	0.80	1.38	5.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.15	0.25	0.93
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.12	0.20	0.74
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.68	4.67	18.64
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	1.17	2.01	7.40
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.00	3.44	12.62
Spokane, WA	CO	Maintenance	100	-	1.98	3.41	12.49
Springfield (western MA), MA	Ozone	Moderate	50	-	5.53	9.58	37.16
Springfield, MA	CO	Maintenance	100	-	0.78	1.38	5.83
St. Louis, MO	CO	Maintenance	100	-	6.18	10.62	38.92
St. Louis, MO-IL	Ozone	Moderate	50	-	-313.21	-482.75	-381.81
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-313.34	-482.98	-382.64

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.15	1.98	7.26
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.12	0.21	0.78
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.29	0.49	1.81
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.47	-17.69	-14.38
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.47	-17.69	-14.38
Stockton, CA	CO	Maintenance	100	-	3.14	5.39	19.76
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	3.46	5.95	21.80
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Terre Haute, IN	Ozone	Maintenance	100	-	0.89	1.52	5.58
Tioga County, PA	Ozone	Maintenance	100	-	0.38	0.65	2.39
Toledo, OH	Ozone	Maintenance	100	-	-194.93	-301.91	-279.26
Toms River, NJ	CO	Maintenance	100	-	0.67	1.15	4.22
Tooele County, UT	SO _x	Nonattainment	100	-	0.68	1.17	4.29
Trenton, NJ	CO	Maintenance	100	-	0.60	1.03	3.76
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.13
Tucson, AZ	CO	Maintenance	100	-	6.71	11.53	42.24
Utah County, UT	PM ₁₀	Moderate	100	-	3.27	5.62	20.61
Vancouver, WA	CO	Maintenance	100	-	2.10	3.61	13.21
Ventura County, CA	Ozone	Serious	50	-	5.12	8.89	34.89
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.05	0.08	0.31
Vigo County, IN	SO _x	Maintenance	100	-	0.89	1.52	5.58
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.38	0.65	2.40
Warren County, NJ	SO _x	Maintenance	100	-	0.24	0.42	1.52
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.03	0.42
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.43	2.46	9.03
Washington, DC-MD-VA	CO	Maintenance	100	-	10.56	18.15	66.51

Appendix B

**Table B.1-50
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	36.43	62.61	229.41
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	35.67	61.31	224.63
Washoe County, NV	PM ₁₀	Serious	70	-	1.65	2.83	10.38
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.03	0.05	0.17
Wayne County, IN	SO _x	Maintenance	100	-	0.48	0.83	3.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-49.76	-77.14	-73.43
Weirton, WV	PM ₁₀	Maintenance	100	-	0.07	0.11	0.41
Weirton, WV	SO _x	Maintenance	100	-	0.09	0.15	0.54
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.01	1.73	6.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.01	1.73	6.34
Winston-Salem, NC	CO	Maintenance	100	-	2.77	4.76	17.45
Worcester, MA	CO	Maintenance	100	-	1.47	2.52	9.25
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.63	1.08	3.95
Yakima, WA	CO	Maintenance	100	-	0.26	0.44	1.63
York, PA	Ozone	Maintenance	100	-	3.00	5.16	18.90
York, PA	PM _{2.5}	Nonattainment	100	-	2.33	4.01	14.70
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	4.30	7.40	27.11
Yuma, AZ	PM ₁₀	Moderate	100	-	1.25	2.15	7.89

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.04	0.08	0.14
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.10	0.19	0.32
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.10	0.20	0.33
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	29.43	58.30	98.11
Albuquerque, NM	CO	Maintenance	100	-	13.81	27.22	44.93
Allegan County, MI	Ozone	Former Subpart 1	50	-	3.67	7.23	11.94
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	13.31	26.45	45.08
Altoona, PA	Ozone	Maintenance	100	-	2.23	4.39	7.25
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	4.78	9.42	15.55
Anchorage, AK	CO	Maintenance	100	-	3.59	7.07	11.66
Anthony, NM	PM ₁₀	Moderate	100	-	0.17	0.34	0.56
Armstrong County, PA	SO _x	Nonattainment	100	-	0.12	0.23	0.37
Aspen, CO	PM ₁₀	Maintenance	100	-	0.17	0.34	0.57
Atlanta, GA	Ozone	Moderate	50	-	164.77	325.14	539.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	164.84	325.28	539.36
Atlantic City, NJ	CO	Maintenance	100	-	1.17	2.31	3.81
Bakersfield, CA	CO	Maintenance	100	-	-16.30	-23.60	16.53
Baltimore, MD	CO	Maintenance	100	-	0.15	0.32	0.69
Baltimore, MD	Ozone	Moderate	50	-	70.23	139.19	234.66
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	70.23	139.18	234.65
Baton Rouge, LA	Ozone	Moderate	50	-	-792.16	-1,309.20	-522.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,253.27	-3,736.17	-1,586.72
Benton County, TN	SO _x	Maintenance	100	-	0.03	0.05	0.08
Benton Harbor, MI	Ozone	Maintenance	100	-	3.79	7.50	12.52
Benzie County, MI	Ozone	Maintenance	100	-	0.61	1.20	1.98
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	3.58	7.06	11.65
Billings, MT	CO	Maintenance	100	-	-267.46	-443.27	-186.71
Birmingham, AL	Ozone	Maintenance	100	-	-2.56	2.95	56.82

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.48	3.11	57.08
Boise-Northern Ada County, ID	CO	Maintenance	100	-	6.94	14.02	25.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	6.94	14.02	25.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.44	0.87	1.43
Boston, MA	CO	Maintenance	100	-	19.78	38.99	64.36
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	120.93	238.37	393.53
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	15.83	31.19	51.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.21	0.42	0.70
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	26.50	52.23	86.20
Burlington, NJ	CO	Maintenance	100	-	0.16	0.31	0.52
Butte, MT	PM ₁₀	Moderate	100	-	0.44	0.86	1.42
Canon City, CO	PM ₁₀	Maintenance	100	-	0.50	0.99	1.64
Canton-Massillon, OH	Ozone	Maintenance	100	-	-84.88	-138.79	-43.89
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-84.88	-138.79	-43.89
Case County, MI	Ozone	Maintenance	100	-	1.00	1.96	3.24
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.06
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.13	0.26	0.42
Charleston, WV	Ozone	Maintenance	100	-	5.99	11.82	19.50
Charleston, WV	PM _{2.5}	Nonattainment	100	-	5.99	11.82	19.50
Charlotte, NC	CO	Maintenance	100	-	18.39	36.25	59.82
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	40.60	80.02	132.07
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	12.40	24.48	40.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	11.38	22.48	37.39
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,320.39	-2,137.84	-510.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,314.61	-2,126.45	-491.48
Chico, CA	CO	Maintenance	100	-	3.07	6.06	9.99
Chico, CA	Ozone	Former Subpart 1	50	-	6.75	13.31	21.96
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	46.64	91.92	151.71

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	45.20	89.09	147.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.27	0.53	0.92
Clark County, NV	PM ₁₀	Serious	70	-	39.38	77.61	128.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	6.39	12.59	20.78
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	4.13	8.15	13.44
Cleveland, OH	CO	Maintenance	100	-	19.99	39.40	65.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	58.77	115.83	191.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	53.96	106.35	175.51
Coachella Valley, CA	PM ₁₀	Serious	70	-	17.50	34.49	56.91
Colbert County, AL	SO _x	Maintenance	100	-	1.27	2.50	4.12
Colorado Springs, CO	CO	Maintenance	100	-	12.60	25.59	47.08
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.14	0.28	0.46
Columbia, SC	Ozone	Former Subpart 1	50	-	15.38	30.31	50.02
Columbus, OH	Ozone	Maintenance	100	-	41.96	82.69	136.47
Columbus, OH	PM _{2.5}	Nonattainment	100	-	39.01	76.88	126.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.01	0.03	0.18
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	19.99	39.40	65.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	16.62	32.76	54.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	174.08	344.12	574.55
Dayton-Springfield, OH	Ozone	Maintenance	100	-	18.72	36.90	60.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	16.49	32.51	53.65
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-91.44	-128.39	124.88
Denver-Boulder, CO	CO	Maintenance	100	-	-94.73	-134.86	114.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-76.05	-98.02	175.14
Detroit, MI	CO	Maintenance	100	-	-137.09	-216.90	-11.72
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-112.55	-152.95	195.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-114.58	-156.94	188.48

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.91	1.78	2.95
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.81	1.59	2.63
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.65	1.29	2.12
Duluth, MN	CO	Maintenance	100	-	1.80	3.54	5.84
Eagle River, AK	PM ₁₀	Moderate	100	-	0.22	0.44	0.72
East Chicago, IN	CO	Maintenance	100	-	0.02	0.04	0.07
East Chicago, IN	PM ₁₀	Maintenance	100	-	-990.06	-1,641.42	-695.49
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.02	0.05	0.08
El Paso County, TX	PM ₁₀	Moderate	100	-	-91.09	-147.47	-35.16
El Paso, TX	CO	Maintenance	100	-	0.70	1.38	2.35
Erie, PA	Ozone	Maintenance	100	-	5.13	10.11	16.68
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.04	0.08	0.13
Eugene-Springfield, OR	CO	Maintenance	100	-	5.57	10.98	18.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	5.34	10.52	17.37
Evansville, IN	Ozone	Maintenance	100	-	5.87	11.57	19.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	7.49	14.75	24.35
Fairbanks, AK	CO	Maintenance	100	-	0.44	0.87	1.44
Fayetteville, NC	Ozone	Former Subpart 1	50	-	6.94	13.67	22.57
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.18	0.36	0.60
Flint, MI	Ozone	Maintenance	100	-	11.86	23.37	38.57
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.02	0.04	0.07
Fort Collins, CO	CO	Maintenance	100	-	4.54	8.94	14.76
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.03	0.05
Fort Wayne, IN	Ozone	Maintenance	100	-	8.60	16.95	27.97
Franklin County, PA	Ozone	Maintenance	100	-	3.67	7.23	11.93
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.06
Frederick County, VA	Ozone	Former Subpart 1	50	-	3.09	6.09	10.05
Fredericksburg, VA	Ozone	Maintenance	100	-	10.78	21.24	35.06

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**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.46	0.91	1.51
Fresno, CA	CO	Maintenance	100	-	14.25	28.28	47.92
Grand Rapids, MI	Ozone	Maintenance	100	-	19.91	39.25	64.77
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.86	1.71	2.85
Grant County, NM	SO _x	Maintenance	100	-	0.06	0.11	0.18
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.02	0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.85	1.67	2.75
Great Falls, MT	CO	Maintenance	100	-	0.41	0.80	1.32
Greater Connecticut, CT	Ozone	Moderate	50	-	36.94	73.00	121.82
Greeley, CO	CO	Maintenance	100	-	3.05	6.01	9.92
Green Bay, WI	SO _x	Maintenance	100	-	2.94	5.79	9.56
Greene County, IN	Ozone	Maintenance	100	-	1.14	2.25	3.71
Greene County, PA	Ozone	Maintenance	100	-	1.03	2.02	3.34
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	36.78	72.76	121.83
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	17.57	34.90	59.35
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	19.40	38.53	65.47
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.52	1.03	1.69
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	2.72	5.37	8.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	20.44	40.41	67.54
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	18.81	37.21	62.26
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	23.36	46.25	77.66
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.26	0.51	0.84
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.02	2.00	3.30
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.12	0.23	0.38
Hazelwood, PA	SO _x	Maintenance	100	-	0.86	1.71	2.97
Hickory, NC	PM _{2.5}	Nonattainment	100	-	3.96	7.81	12.89
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	6.66	13.12	21.66
Hollis Township, IL	SO _x	Maintenance	100	-	0.04	0.08	0.16

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Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,454.81	-4,030.67	-1,405.53
Humphreys County, TN	SO _x	Maintenance	100	-	0.06	0.13	0.21
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-540.10	-894.12	-368.72
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-543.31	-900.45	-379.17
Huron County, MI	Ozone	Maintenance	100	-	0.64	1.26	2.07
Imperial County, CA	Ozone	Moderate	50	-	5.70	11.24	18.55
Imperial Valley, CA	PM ₁₀	Serious	70	-	5.58	11.00	18.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.76	1.49	2.46
Indianapolis, IN	CO	Maintenance	100	-	0.02	0.04	0.06
Indianapolis, IN	Ozone	Maintenance	100	-	48.66	95.92	158.29
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	38.66	76.20	125.75
Jackson County, IN	Ozone	Maintenance	100	-	1.82	3.58	5.91
Jamestown, NY	Ozone	Former Subpart 1	50	-	3.56	7.01	11.57
Jefferson County, NY	Ozone	Moderate	50	-	2.87	5.65	9.32
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.16	0.31	0.52
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	4.90	9.65	15.92
Johnstown, PA	Ozone	Maintenance	100	-	2.03	4.00	6.60
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	2.23	4.40	7.26
Juneau, AK	PM ₁₀	Moderate	100	-	0.29	0.57	0.95
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	11.59	22.84	37.69
Kalispell, MT	PM ₁₀	Moderate	100	-	0.75	1.48	2.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	37.74	75.28	130.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	3.51	6.93	11.43
Kent, WA	PM ₁₀	Maintenance	100	-	0.64	1.27	2.09
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	1.92	3.79	6.25
Kewaunee County, WI	Ozone	Maintenance	100	-	0.56	1.10	1.82
King County, WA	PM ₁₀	Maintenance	100	-	0.25	0.50	0.83
Klamath Falls, OR	CO	Maintenance	100	-	1.12	2.21	3.64

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Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.12	2.21	3.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	29.88	58.89	97.18
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	22.79	44.91	74.12
La Porte County, IN	SO _x	Maintenance	100	-	0.76	1.50	2.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.35	0.69	1.13
Lake County, IN	SO _x	Maintenance	100	-	6.28	12.52	21.60
Lake County, OH	SO _x	Maintenance	100	-	0.81	1.60	2.64
Lake County, OR	PM ₁₀	Maintenance	100	-	0.13	0.27	0.44
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.85	1.68	2.78
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	1.87	3.69	6.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.47	0.93	1.54
Lamar, CO	PM ₁₀	Maintenance	100	-	0.20	0.39	0.65
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.03	0.06	0.10
Lancaster, PA	Ozone	Maintenance	100	-	10.38	20.57	34.71
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	10.38	20.57	34.71
Lane County, OR	PM ₁₀	Moderate	100	-	0.03	0.06	0.10
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	11.16	22.00	36.31
LaPorte, IN	Ozone	Maintenance	100	-	2.12	4.17	6.88
Las Vegas, NV	CO	Serious	100	-	39.38	77.61	128.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	39.86	78.57	129.67
Lauderdale County, AL	SO _x	Maintenance	100	-	1.95	3.85	6.35
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.04	0.08	0.13
Libby, MT	PM ₁₀	Moderate	100	-	0.09	0.19	0.31
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.13	0.25	0.41
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.27	0.53	0.92
Lima, OH	Ozone	Maintenance	100	-	-472.04	-782.51	-330.94
Longmont, CO	CO	Maintenance	100	-	2.37	4.66	7.70
Lorain County, OH	SO _x	Maintenance	100	-	1.08	2.12	3.50

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**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-277.23	-342.19	761.84
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-277.23	-342.19	761.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-277.23	-342.19	761.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-277.23	-342.18	761.85
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-277.25	-342.22	761.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	17.29	34.09	56.25
Louisville, KY-IN	Ozone	Maintenance	100	-	25.85	50.95	84.09
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	24.79	48.86	80.63
Lowell, MA	CO	Maintenance	100	-	2.78	5.47	9.04
Lucas County, OH	SO _x	Maintenance	100	-	6.56	12.94	21.35
Lyons Township, IL	PM ₁₀	Maintenance	100	-	1.36	2.69	4.45
Macon, GA	Ozone	Maintenance	100	-	4.55	8.97	14.80
Macon, GA	PM _{2.5}	Nonattainment	100	-	4.50	8.86	14.62
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.06	0.12	0.20
Madison, WI	SO _x	Maintenance	100	-	6.30	12.41	20.48
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.29	0.56	0.93
Manchester, NH	CO	Maintenance	100	-	1.68	3.31	5.46
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	2.28	4.50	7.43
Marion County, IN	SO _x	Maintenance	100	-	6.95	13.70	22.61
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	3.08	6.07	10.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	7.50	14.78	24.40
Mason County, MI	Ozone	Maintenance	100	-	0.63	1.24	2.04
Medford, OR	CO	Maintenance	100	-	2.04	4.02	6.63
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	4.89	9.64	15.90
Memphis, TN-AR	Ozone	Maintenance	100	-	-107.00	-170.63	-20.07
Memphis, TN	CO	Maintenance	100	-	-108.69	-173.96	-25.57
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.76	1.49	2.46

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**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.10	0.20	0.36
Milwaukee, WI	SO _x	Maintenance	100	-	11.83	23.31	38.47
Milwaukee-Racine, WI	Ozone	Moderate	50	-	42.24	83.25	137.40
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-377.35	-604.39	-92.21
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	65.23	129.39	218.88
Missoula, MT	CO	Maintenance	100	-	0.26	0.90	3.95
Missoula, MT	PM ₁₀	Moderate	100	-	0.25	0.87	3.82
Modesto, CA	CO	Maintenance	100	-	8.25	16.26	26.84
Mohave County, AZ	PM ₁₀	Maintenance	100	-	2.80	5.51	9.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.04	0.08	0.13
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.07	0.15	0.24
Morristown, NJ	CO	Maintenance	100	-	0.85	1.68	2.78
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.64	1.26	2.08
Muncie, IN	Ozone	Maintenance	100	-	2.44	4.80	7.92
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.11	0.22	0.37
Muscatine County, IA	SO _x	Maintenance	100	-	0.36	0.71	1.17
Muskegon, MI	Ozone	Maintenance	100	-	3.00	5.94	9.91
Nashua, NH	CO	Maintenance	100	-	1.35	2.67	4.40
Nashville, TN	Ozone	Former Subpart 1	50	-	39.29	77.71	130.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	4.08	8.05	13.28
New Haven County, CT	PM ₁₀	Maintenance	100	-	3.53	6.96	11.48
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	17.82	35.12	57.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.13	0.26	0.42
New York County, NY	PM ₁₀	Moderate	100	-	9.95	19.61	32.37
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-78.99	-74.98	400.50
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-24.28	68.01	864.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-27.37	61.93	854.87
Nogales, AZ	PM ₁₀	Moderate	100	-	0.99	1.95	3.23

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Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-257.96	-416.67	-91.56
Ogden, UT	CO	Maintenance	100	-	1.60	3.15	5.20
Ogden, UT	PM ₁₀	Moderate	100	-	1.60	3.15	5.20
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.05	0.09	0.16
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.46	0.90	1.48
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	2.73	5.39	8.89
Owens Valley, CA	PM ₁₀	Serious	70	-	0.11	0.21	0.35
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	3.26	6.43	10.61
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	3.28	6.46	10.68
Payson, AZ	PM ₁₀	Maintenance	100	-	0.49	0.96	1.58
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.02	0.04
Peoria, IL	SO _x	Maintenance	100	-	1.57	3.30	6.76
Perth Amboy, NJ	CO	Maintenance	100	-	-109.13	-180.43	-72.67
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	8.39	16.55	27.31
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-854.12	-1,385.42	-350.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-806.66	-1,291.43	-192.57
Phoenix, AZ	CO	Maintenance	100	-	132.14	260.82	432.90
Phoenix, AZ	PM ₁₀	Serious	70	-	135.79	268.01	444.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	136.17	268.78	446.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.24	0.46	0.77
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.02	0.05	0.08
Pittsburgh, PA	CO	Maintenance	100	-	0.57	1.14	1.97
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	43.69	86.60	146.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	39.79	78.89	133.25
Polk County, TN	SO _x	Maintenance	100	-	0.48	0.95	1.56
Polson, MT	PM ₁₀	Moderate	100	-	0.08	0.15	0.25
Portland, ME	Ozone	Maintenance	100	-	10.96	22.30	41.34

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	25.24	50.27	86.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.99	1.96	3.24
Poughkeepsie, NY	Ozone	Moderate	50	-	34.97	68.92	113.75
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.20	0.39	0.65
Providence (entire State), RI	Ozone	Moderate	50	-	20.81	41.89	74.84
Provo, UT	CO	Maintenance	100	-	4.18	8.24	13.60
Raleigh-Durham, NC	CO	Maintenance	100	-	32.31	63.84	106.38
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	44.09	87.07	144.71
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.03	0.06	0.13
Reading, PA	Ozone	Maintenance	100	-	7.72	15.21	25.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	7.72	15.21	25.11
Reno, NV	CO	Maintenance	100	-	5.75	11.34	18.71
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.03	0.05	0.09
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	26.87	53.50	91.80
Rillito, AZ	PM ₁₀	Moderate	100	-	1.30	2.55	4.21
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	17.50	34.49	56.91
Roanoke, VA	Ozone	Former Subpart 1	50	-	5.93	11.69	19.30
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	1.94	3.83	6.32
Rochester, NY	Ozone	Former Subpart 1	50	-	31.08	61.25	101.09
Rocky Mount, NC	Ozone	Maintenance	100	-	4.18	8.24	13.61
Rome, GA	PM _{2.5}	Nonattainment	100	-	2.76	5.44	8.98
Ronan, MT	PM ₁₀	Moderate	100	-	0.03	0.06	0.10
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.06	0.11	0.18
Sacramento County, CA	PM ₁₀	Moderate	100	-	39.97	78.78	130.02
Sacramento Metro, CA	Ozone	Severe	25	-	71.66	141.75	237.30
Sacramento, CA	CO	Maintenance	100	-	44.73	88.23	146.00
Salem, OR	CO	Maintenance	100	-	3.00	5.92	9.77
Salt Lake City, UT	CO	Maintenance	100	-	-48.10	-78.20	-21.26

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-28.43	-39.44	42.71
Salt Lake County, UT	SO _x	Nonattainment	100	-	24.83	48.93	80.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	42.07	83.98	145.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	10.74	21.16	34.92
San Diego, CA	CO	Maintenance	100	-	108.00	213.07	352.95
San Diego, CA	Ozone	Former Subpart 1	50	-	108.21	213.48	353.62
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,202.07	-1,944.55	-450.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,181.59	-1,904.19	-383.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	91.90	190.02	371.29
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	92.27	190.74	372.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	91.90	190.02	371.29
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.87	1.71	2.82
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.05
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	15.54	30.63	50.55
Seattle-Tacoma, WA	CO	Maintenance	100	-	73.57	145.00	239.29
Sheboygan, WI	Ozone	Moderate	50	-	2.86	5.63	9.30
Sheridan, WY	PM ₁₀	Moderate	100	-	0.50	0.98	1.62
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.42	0.83	1.37
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	9.66	19.30	33.56
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	3.45	6.80	11.28
Spokane County, WA	PM ₁₀	Maintenance	100	-	7.28	14.34	23.67
Spokane, WA	CO	Maintenance	100	-	7.20	14.18	23.41
Springfield (western MA), MA	Ozone	Moderate	50	-	19.59	38.97	66.63
Springfield, MA	CO	Maintenance	100	-	3.00	6.06	10.92
St. Louis, MO	CO	Maintenance	100	-	19.08	37.61	62.08
St. Louis, MO-IL	Ozone	Moderate	50	-	-701.29	-1,142.95	-332.04
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-701.73	-1,143.82	-333.47

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	4.21	8.30	13.71
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.51	1.00	1.65
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.91	1.80	2.98
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-25.87	-42.30	-13.28
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-25.87	-42.30	-13.28
Stockton, CA	CO	Maintenance	100	-	12.46	24.56	40.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	11.57	22.81	37.64
Telluride, CO	PM ₁₀	Maintenance	100	-	0.04	0.09	0.15
Terre Haute, IN	Ozone	Maintenance	100	-	2.80	5.51	9.10
Tioga County, PA	Ozone	Maintenance	100	-	1.23	2.43	4.02
Toledo, OH	Ozone	Maintenance	100	-	-445.46	-735.34	-286.92
Toms River, NJ	CO	Maintenance	100	-	2.56	5.04	8.32
Tooele County, UT	SO _x	Nonattainment	100	-	2.44	4.80	7.93
Trenton, NJ	CO	Maintenance	100	-	2.10	4.13	6.82
Trona, CA	PM ₁₀	Moderate	100	-	0.08	0.17	0.27
Tucson, AZ	CO	Maintenance	100	-	24.86	49.00	80.86
Utah County, UT	PM ₁₀	Moderate	100	-	12.13	23.91	39.46
Vancouver, WA	CO	Maintenance	100	-	8.08	15.92	26.27
Ventura County, CA	Ozone	Serious	50	-	20.85	41.49	71.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.16	0.31	0.51
Vigo County, IN	SO _x	Maintenance	100	-	2.80	5.51	9.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	1.30	2.57	4.24
Warren County, NJ	SO _x	Maintenance	100	-	0.85	1.68	2.78
Warren County, PA	SO _x	Nonattainment	100	-	0.03	0.14	0.80
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	4.90	9.65	15.93
Washington, DC-MD-VA	CO	Maintenance	100	-	37.37	73.65	121.55

Appendix B

**Table B.1-51
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	133.75	263.61	435.05
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	130.79	257.77	425.41
Washoe County, NV	PM ₁₀	Serious	70	-	5.75	11.34	18.71
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.09	0.18	0.30
Wayne County, IN	SO _x	Maintenance	100	-	1.51	2.97	4.90
Wayne County, MI	PM ₁₀	Maintenance	100	-	-114.98	-190.18	-77.13
Weirton, WV	PM ₁₀	Maintenance	100	-	0.19	0.37	0.62
Weirton, WV	SO _x	Maintenance	100	-	0.25	0.50	0.82
Wheeling, WV-OH	Ozone	Maintenance	100	-	3.15	6.21	10.25
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	3.15	6.21	10.25
Winston-Salem, NC	CO	Maintenance	100	-	9.73	19.17	31.64
Worcester, MA	CO	Maintenance	100	-	5.45	10.75	17.73
Yakima County, WA	PM ₁₀	Maintenance	100	-	2.23	4.39	7.24
Yakima, WA	CO	Maintenance	100	-	1.00	1.98	3.26
York, PA	Ozone	Maintenance	100	-	10.79	21.26	35.09
York, PA	PM _{2.5}	Nonattainment	100	-	8.36	16.48	27.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	13.80	27.21	44.90
Yuma, AZ	PM ₁₀	Moderate	100	-	4.75	9.36	15.45

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.07	0.14	0.21
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.18	0.35	0.55
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.19	0.36	0.57
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	55.31	105.50	167.13
Albuquerque, NM	CO	Maintenance	100	-	25.38	48.29	75.45
Allegan County, MI	Ozone	Former Subpart 1	50	-	7.16	13.61	21.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	25.10	47.95	76.57
Altoona, PA	Ozone	Maintenance	100	-	3.84	7.30	11.42
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	10.21	19.43	30.36
Anchorage, AK	CO	Maintenance	100	-	6.88	13.08	20.44
Anthony, NM	PM ₁₀	Moderate	100	-	0.31	0.59	0.93
Armstrong County, PA	SO _x	Nonattainment	100	-	0.22	0.41	0.64
Aspen, CO	PM ₁₀	Maintenance	100	-	0.34	0.64	1.00
Atlanta, GA	Ozone	Moderate	50	-	318.10	605.57	949.09
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	318.20	605.76	949.40
Atlantic City, NJ	CO	Maintenance	100	-	2.09	3.97	6.21
Bakersfield, CA	CO	Maintenance	100	-	-13.14	-17.00	42.84
Baltimore, MD	CO	Maintenance	100	-	0.30	0.59	1.15
Baltimore, MD	Ozone	Moderate	50	-	134.71	257.00	407.58
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	134.70	256.99	407.57
Baton Rouge, LA	Ozone	Moderate	50	-	-992.15	-1,651.52	-531.35
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,845.89	-4,754.29	-1,698.84
Benton County, TN	SO _x	Maintenance	100	-	0.04	0.08	0.13
Benton Harbor, MI	Ozone	Maintenance	100	-	6.44	12.27	19.36
Benzie County, MI	Ozone	Maintenance	100	-	1.23	2.35	3.67
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	6.81	12.96	20.24
Billings, MT	CO	Maintenance	100	-	-337.36	-563.29	-198.42
Birmingham, AL	Ozone	Maintenance	100	-	8.93	24.48	103.25

Appendix B

Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	9.08	24.77	103.70
Boise-Northern Ada County, ID	CO	Maintenance	100	-	14.15	27.21	44.99
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	14.15	27.21	44.99
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.90	1.71	2.67
Boston, MA	CO	Maintenance	100	-	36.18	68.84	107.58
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	224.40	426.98	667.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	29.97	57.02	89.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.38	0.72	1.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	47.86	91.05	142.26
Burlington, NJ	CO	Maintenance	100	-	0.20	0.38	0.59
Butte, MT	PM ₁₀	Moderate	100	-	0.72	1.36	2.13
Canon City, CO	PM ₁₀	Maintenance	100	-	1.03	1.96	3.06
Canton-Massillon, OH	Ozone	Maintenance	100	-	-104.08	-171.32	-36.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-104.08	-171.32	-36.03
Case County, MI	Ozone	Maintenance	100	-	1.79	3.41	5.32
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.04	0.07	0.11
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.21	0.40	0.62
Charleston, WV	Ozone	Maintenance	100	-	10.23	19.47	30.43
Charleston, WV	PM _{2.5}	Nonattainment	100	-	10.23	19.47	30.43
Charlotte, NC	CO	Maintenance	100	-	35.61	67.75	105.86
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	77.82	148.06	231.33
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	22.48	42.80	67.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	20.81	39.63	62.27
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,564.61	-2,541.65	-195.42
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,553.76	-2,521.02	-163.19
Chico, CA	CO	Maintenance	100	-	6.60	12.55	19.61
Chico, CA	Ozone	Former Subpart 1	50	-	13.82	26.29	41.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	86.41	164.41	256.88

Appendix B

Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	83.62	159.10	248.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.41	0.79	1.29
Clark County, NV	PM ₁₀	Serious	70	-	79.08	150.46	235.07
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	12.23	23.26	36.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	7.45	14.18	22.15
Cleveland, OH	CO	Maintenance	100	-	33.63	63.98	99.96
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	105.53	200.79	313.72
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	96.50	183.61	286.87
Coachella Valley, CA	PM ₁₀	Serious	70	-	36.19	68.85	107.57
Colbert County, AL	SO _x	Maintenance	100	-	2.12	4.03	6.30
Colorado Springs, CO	CO	Maintenance	100	-	26.56	51.19	85.71
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.28	0.54	0.84
Columbia, SC	Ozone	Former Subpart 1	50	-	28.65	54.50	85.16
Columbus, OH	Ozone	Maintenance	100	-	81.20	154.50	241.38
Columbus, OH	PM _{2.5}	Nonattainment	100	-	75.63	143.89	224.81
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.02	0.06	0.24
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	33.63	63.98	99.96
Cuyahoga County, OH	SO _x	Maintenance	100	-	28.99	55.16	86.19
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	344.40	656.15	1,032.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	33.04	62.86	98.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	29.01	55.20	86.24
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-63.95	-73.31	305.08
Denver-Boulder, CO	CO	Maintenance	100	-	-70.41	-85.59	285.89
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-33.87	-16.05	394.71
Detroit, MI	CO	Maintenance	100	-	-182.57	-293.14	12.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-80.12	-87.88	422.67
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-83.87	-95.02	411.52

Appendix B

Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	1.73	3.29	5.15
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.43	2.72	4.26
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.18	2.25	3.51
Duluth, MN	CO	Maintenance	100	-	3.14	5.97	9.32
Eagle River, AK	PM ₁₀	Moderate	100	-	0.44	0.84	1.32
East Chicago, IN	CO	Maintenance	100	-	0.04	0.07	0.11
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,250.11	-2,088.14	-743.48
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.04	0.08	0.13
El Paso County, TX	PM ₁₀	Moderate	100	-	-107.87	-175.22	-13.37
El Paso, TX	CO	Maintenance	100	-	1.28	2.45	3.90
Erie, PA	Ozone	Maintenance	100	-	9.09	17.30	27.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.08	0.15	0.24
Eugene-Springfield, OR	CO	Maintenance	100	-	10.57	20.10	31.41
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	10.15	19.32	30.18
Evansville, IN	Ozone	Maintenance	100	-	10.68	20.32	31.74
Evansville, IN	PM _{2.5}	Nonattainment	100	-	13.48	25.65	40.07
Fairbanks, AK	CO	Maintenance	100	-	0.86	1.64	2.56
Fayetteville, NC	Ozone	Former Subpart 1	50	-	12.79	24.33	38.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.37	0.70	1.09
Flint, MI	Ozone	Maintenance	100	-	21.30	40.52	63.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.03	0.05	0.08
Fort Collins, CO	CO	Maintenance	100	-	8.96	17.06	26.65
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.02	0.04	0.07
Fort Wayne, IN	Ozone	Maintenance	100	-	15.88	30.21	47.20
Franklin County, PA	Ozone	Maintenance	100	-	6.90	13.13	20.51
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.03	0.06	0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	5.73	10.90	17.02
Fredericksburg, VA	Ozone	Maintenance	100	-	21.50	40.91	63.92

Appendix B

**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.99	1.89	2.95
Fresno, CA	CO	Maintenance	100	-	28.09	53.61	85.13
Grand Rapids, MI	Ozone	Maintenance	100	-	38.02	72.33	113.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.45	2.77	4.36
Grant County, NM	SO _x	Maintenance	100	-	0.09	0.18	0.28
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.04	0.07
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.69	3.22	5.03
Great Falls, MT	CO	Maintenance	100	-	0.65	1.24	1.94
Greater Connecticut, CT	Ozone	Moderate	50	-	66.81	127.30	200.52
Greeley, CO	CO	Maintenance	100	-	5.86	11.15	17.42
Green Bay, WI	SO _x	Maintenance	100	-	5.45	10.36	16.19
Greene County, IN	Ozone	Maintenance	100	-	2.10	3.99	6.23
Greene County, PA	Ozone	Maintenance	100	-	1.83	3.48	5.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	67.56	128.77	203.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	32.28	61.65	98.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	35.17	67.16	107.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.95	1.80	2.82
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	5.02	9.56	14.93
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	39.11	74.54	117.48
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	36.00	68.60	108.21
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	41.79	79.70	126.14
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.51	0.97	1.52
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	2.04	3.87	6.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.22	0.41	0.64
Hazelwood, PA	SO _x	Maintenance	100	-	1.63	3.13	5.10
Hickory, NC	PM _{2.5}	Nonattainment	100	-	6.95	13.23	20.66
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	11.90	22.65	35.39
Hollis Township, IL	SO _x	Maintenance	100	-	0.07	0.14	0.25

Appendix B

**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,018.14	-4,985.90	-1,226.88
Humphreys County, TN	SO _x	Maintenance	100	-	0.12	0.23	0.36
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-679.99	-1,134.14	-387.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-685.83	-1,145.25	-404.48
Huron County, MI	Ozone	Maintenance	100	-	1.13	2.14	3.35
Imperial County, CA	Ozone	Moderate	50	-	11.39	21.66	33.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	11.16	21.23	33.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.33	2.53	3.95
Indianapolis, IN	CO	Maintenance	100	-	0.03	0.06	0.09
Indianapolis, IN	Ozone	Maintenance	100	-	92.16	175.35	273.96
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	73.35	139.56	218.04
Jackson County, IN	Ozone	Maintenance	100	-	3.28	6.24	9.75
Jamestown, NY	Ozone	Former Subpart 1	50	-	6.41	12.20	19.06
Jefferson County, NY	Ozone	Moderate	50	-	5.22	9.93	15.52
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.25	0.47	0.74
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	8.71	16.57	25.89
Johnstown, PA	Ozone	Maintenance	100	-	3.19	6.06	9.47
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	3.51	6.68	10.43
Juneau, AK	PM ₁₀	Moderate	100	-	0.61	1.15	1.80
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	20.92	39.81	62.20
Kalispell, MT	PM ₁₀	Moderate	100	-	1.47	2.81	4.38
Kansas City, MO-KS	Ozone	Maintenance	100	-	73.61	140.86	227.06
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	6.70	12.75	19.92
Kent, WA	PM ₁₀	Maintenance	100	-	1.29	2.45	3.83
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	3.48	6.62	10.34
Kewaunee County, WI	Ozone	Maintenance	100	-	1.00	1.90	2.96
King County, WA	PM ₁₀	Maintenance	100	-	0.49	0.94	1.47
Klamath Falls, OR	CO	Maintenance	100	-	2.00	3.80	5.94

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**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	2.00	3.80	5.94
Knoxville, TN	Ozone	Former Subpart 1	50	-	58.15	110.63	172.85
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	43.84	83.42	130.33
La Porte County, IN	SO _x	Maintenance	100	-	1.31	2.49	3.89
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.64	1.22	1.90
Lake County, IN	SO _x	Maintenance	100	-	11.19	21.42	34.56
Lake County, OH	SO _x	Maintenance	100	-	1.46	2.78	4.34
Lake County, OR	PM ₁₀	Maintenance	100	-	0.24	0.45	0.70
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.84	3.51	5.48
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	4.19	7.98	12.47
Lake Tahoe, NV	CO	Maintenance	100	-	0.84	1.60	2.51
Lamar, CO	PM ₁₀	Maintenance	100	-	0.36	0.68	1.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.05	0.09	0.15
Lancaster, PA	Ozone	Maintenance	100	-	19.63	37.45	59.42
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	19.63	37.45	59.42
Lane County, OR	PM ₁₀	Moderate	100	-	0.05	0.09	0.14
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	20.50	39.01	60.95
LaPorte, IN	Ozone	Maintenance	100	-	3.63	6.91	10.80
Las Vegas, NV	CO	Serious	100	-	79.08	150.46	235.07
Las Vegas, NV	Ozone	Former Subpart 1	50	-	79.90	152.02	237.51
Lauderdale County, AL	SO _x	Maintenance	100	-	3.42	6.51	10.17
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.07	0.14	0.21
Libby, MT	PM ₁₀	Moderate	100	-	0.16	0.31	0.48
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.21	0.41	0.64
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.41	0.79	1.29
Lima, OH	Ozone	Maintenance	100	-	-595.89	-995.24	-353.30
Longmont, CO	CO	Maintenance	100	-	4.77	9.08	14.18
Lorain County, OH	SO _x	Maintenance	100	-	1.99	3.78	5.91

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**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-101.58	-1.95	1,656.68
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-101.58	-1.95	1,656.68
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-101.58	-1.95	1,656.68
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-101.58	-1.94	1,656.69
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-101.61	-2.01	1,656.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	33.57	63.87	99.79
Louisville, KY-IN	Ozone	Maintenance	100	-	46.59	88.65	138.50
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	44.30	84.29	131.69
Lowell, MA	CO	Maintenance	100	-	5.39	10.26	16.03
Lucas County, OH	SO _x	Maintenance	100	-	11.36	21.62	33.78
Lyons Township, IL	PM ₁₀	Maintenance	100	-	2.37	4.50	7.06
Macon, GA	Ozone	Maintenance	100	-	7.79	14.82	23.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	7.69	14.63	22.85
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.11	0.20	0.32
Madison, WI	SO _x	Maintenance	100	-	12.50	23.79	37.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.65	1.24	1.94
Manchester, NH	CO	Maintenance	100	-	2.78	5.29	8.26
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	4.06	7.72	12.06
Marion County, IN	SO _x	Maintenance	100	-	12.16	23.14	36.15
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	6.36	12.10	18.90
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	13.83	26.32	41.12
Mason County, MI	Ozone	Maintenance	100	-	1.17	2.23	3.48
Medford, OR	CO	Maintenance	100	-	4.10	7.80	12.19
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	9.89	18.82	29.41
Memphis, TN-AR	Ozone	Maintenance	100	-	-124.51	-199.18	16.02
Memphis, TN	CO	Maintenance	100	-	-127.32	-204.54	7.64
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.50	2.86	4.46

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**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.17	0.33	0.54
Milwaukee, WI	SO _x	Maintenance	100	-	21.04	40.03	62.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	78.49	149.34	233.34
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-433.54	-694.33	47.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	125.00	238.59	379.33
Missoula, MT	CO	Maintenance	100	-	1.35	2.89	7.40
Missoula, MT	PM ₁₀	Moderate	100	-	1.30	2.80	7.16
Modesto, CA	CO	Maintenance	100	-	16.62	31.62	49.40
Mohave County, AZ	PM ₁₀	Maintenance	100	-	5.75	10.94	17.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.08	0.16	0.24
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.13	0.25	0.39
Morristown, NJ	CO	Maintenance	100	-	1.76	3.35	5.24
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.11	2.11	3.30
Muncie, IN	Ozone	Maintenance	100	-	4.03	7.68	11.99
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.25	0.48	0.75
Muscatine County, IA	SO _x	Maintenance	100	-	0.68	1.30	2.02
Muskegon, MI	Ozone	Maintenance	100	-	5.60	10.66	16.80
Nashua, NH	CO	Maintenance	100	-	2.27	4.32	6.75
Nashville, TN	Ozone	Former Subpart 1	50	-	75.66	144.21	227.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	8.75	16.64	26.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	7.10	13.51	21.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	31.77	60.44	94.43
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.23	0.45	0.70
New York County, NY	PM ₁₀	Moderate	100	-	17.11	32.55	50.86
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.77	72.22	768.65
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	167.85	427.89	1,609.98
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	161.96	416.68	1,592.48
Nogales, AZ	PM ₁₀	Moderate	100	-	1.88	3.57	5.58

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**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-305.83	-495.93	-29.18
Ogden, UT	CO	Maintenance	100	-	2.86	5.45	8.51
Ogden, UT	PM ₁₀	Moderate	100	-	2.86	5.45	8.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.07	0.14	0.22
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.76	1.44	2.25
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	5.37	10.22	15.96
Owens Valley, CA	PM ₁₀	Serious	70	-	0.25	0.48	0.76
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.03
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	5.78	10.99	17.17
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	5.81	11.06	17.30
Payson, AZ	PM ₁₀	Maintenance	100	-	0.94	1.78	2.78
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.04	0.06
Peoria, IL	SO _x	Maintenance	100	-	3.10	6.08	11.10
Perth Amboy, NJ	CO	Maintenance	100	-	-136.35	-226.96	-72.91
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	14.24	27.10	42.36
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,024.23	-1,669.63	-187.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-935.79	-1,500.98	79.43
Phoenix, AZ	CO	Maintenance	100	-	280.74	534.48	837.83
Phoenix, AZ	PM ₁₀	Serious	70	-	287.90	548.10	859.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	288.61	549.44	861.24
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.39	0.75	1.16
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.04	0.07	0.11
Pittsburgh, PA	CO	Maintenance	100	-	1.31	2.51	4.08
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	78.49	149.79	237.91
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	71.50	136.48	217.11
Polk County, TN	SO _x	Maintenance	100	-	0.87	1.65	2.57
Polson, MT	PM ₁₀	Moderate	100	-	0.16	0.30	0.47
Portland, ME	Ozone	Maintenance	100	-	21.59	41.70	70.60

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Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	46.99	89.89	144.69
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.77	3.37	5.26
Poughkeepsie, NY	Ozone	Moderate	50	-	69.06	131.39	205.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.34	0.65	1.02
Providence (entire State), RI	Ozone	Moderate	50	-	40.78	78.42	129.65
Provo, UT	CO	Maintenance	100	-	8.25	15.70	24.53
Raleigh-Durham, NC	CO	Maintenance	100	-	63.36	120.68	189.68
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	86.10	163.94	257.27
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.06	0.11	0.20
Reading, PA	Ozone	Maintenance	100	-	14.06	26.75	41.79
Reading, PA	PM _{2.5}	Nonattainment	100	-	14.06	26.75	41.79
Reno, NV	CO	Maintenance	100	-	10.61	20.19	31.54
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.06	0.12	0.19
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	50.41	96.39	154.69
Rillito, AZ	PM ₁₀	Moderate	100	-	2.64	5.02	7.85
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	36.19	68.85	107.57
Roanoke, VA	Ozone	Former Subpart 1	50	-	10.58	20.12	31.44
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	3.66	6.97	10.89
Rochester, NY	Ozone	Former Subpart 1	50	-	56.71	107.90	168.58
Rocky Mount, NC	Ozone	Maintenance	100	-	7.42	14.12	22.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	4.99	9.50	14.84
Ronan, MT	PM ₁₀	Moderate	100	-	0.06	0.11	0.18
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.10	0.19	0.29
Sacramento County, CA	PM ₁₀	Moderate	100	-	81.39	154.86	241.96
Sacramento Metro, CA	Ozone	Severe	25	-	149.08	284.09	447.77
Sacramento, CA	CO	Maintenance	100	-	91.38	173.92	272.18
Salem, OR	CO	Maintenance	100	-	5.40	10.28	16.06
Salt Lake City, UT	CO	Maintenance	100	-	-57.59	-94.03	-12.03

Appendix B

Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-20.60	-23.65	97.92
Salt Lake County, UT	SO _x	Nonattainment	100	-	46.77	88.99	139.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	82.38	157.71	254.89
San Bernardino County, CA	PM ₁₀	Moderate	100	-	20.40	38.81	60.64
San Diego, CA	CO	Maintenance	100	-	217.09	413.22	647.17
San Diego, CA	Ozone	Former Subpart 1	50	-	217.51	414.03	648.45
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,411.04	-2,286.85	-121.53
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,372.97	-2,214.41	-8.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	207.63	403.35	702.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	208.16	404.36	703.72
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	207.63	403.35	702.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.72	3.27	5.10
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.09
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	28.36	53.95	84.30
Seattle-Tacoma, WA	CO	Maintenance	100	-	140.84	267.96	418.66
Sheboygan, WI	Ozone	Moderate	50	-	5.38	10.23	15.99
Sheridan, WY	PM ₁₀	Moderate	100	-	0.89	1.70	2.66
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.79	1.51	2.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	18.13	34.74	56.37
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	5.10	9.71	15.21
Spokane County, WA	PM ₁₀	Maintenance	100	-	13.87	26.39	41.23
Spokane, WA	CO	Maintenance	100	-	13.71	26.08	40.74
Springfield (western MA), MA	Ozone	Moderate	50	-	36.40	69.58	111.61
Springfield, MA	CO	Maintenance	100	-	6.03	11.61	19.40
St. Louis, MO	CO	Maintenance	100	-	31.34	59.63	93.16
St. Louis, MO-IL	Ozone	Moderate	50	-	-853.41	-1,399.58	-242.22
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-854.19	-1,401.07	-244.54

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**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	8.09	15.39	24.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.06	2.02	3.15
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.54	2.94	4.59
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-31.87	-52.48	-11.28
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-31.87	-52.48	-11.28
Stockton, CA	CO	Maintenance	100	-	25.82	49.12	76.74
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	20.55	39.09	61.08
Telluride, CO	PM ₁₀	Maintenance	100	-	0.10	0.19	0.30
Terre Haute, IN	Ozone	Maintenance	100	-	4.69	8.92	13.94
Tioga County, PA	Ozone	Maintenance	100	-	2.13	4.06	6.34
Toledo, OH	Ozone	Maintenance	100	-	-557.32	-926.73	-288.58
Toms River, NJ	CO	Maintenance	100	-	5.16	9.81	15.33
Tooele County, UT	SO _x	Nonattainment	100	-	4.60	8.75	13.67
Trenton, NJ	CO	Maintenance	100	-	3.93	7.48	11.68
Trona, CA	PM ₁₀	Moderate	100	-	0.17	0.32	0.51
Tucson, AZ	CO	Maintenance	100	-	48.24	91.79	143.41
Utah County, UT	PM ₁₀	Moderate	100	-	23.55	44.81	70.01
Vancouver, WA	CO	Maintenance	100	-	16.06	30.56	47.75
Ventura County, CA	Ozone	Serious	50	-	42.98	82.15	131.63
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.26	0.50	0.79
Vigo County, IN	SO _x	Maintenance	100	-	4.69	8.92	13.94
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	2.37	4.52	7.06
Warren County, NJ	SO _x	Maintenance	100	-	1.59	3.03	4.73
Warren County, PA	SO _x	Nonattainment	100	-	0.11	0.31	1.27
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	8.87	16.87	26.36
Washington, DC-MD-VA	CO	Maintenance	100	-	71.91	136.82	213.77

Appendix B

**Table B.1-52
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	257.68	490.28	766.01
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	251.71	478.92	748.26
Washoe County, NV	PM ₁₀	Serious	70	-	10.61	20.19	31.54
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.16	0.31	0.49
Wayne County, IN	SO _x	Maintenance	100	-	2.51	4.77	7.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	-153.16	-254.83	-80.85
Weirton, WV	PM ₁₀	Maintenance	100	-	0.26	0.50	0.77
Weirton, WV	SO _x	Maintenance	100	-	0.37	0.70	1.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	5.24	9.97	15.58
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	5.24	9.97	15.58
Winston-Salem, NC	CO	Maintenance	100	-	18.06	34.35	53.68
Worcester, MA	CO	Maintenance	100	-	10.74	20.44	31.94
Yakima County, WA	PM ₁₀	Maintenance	100	-	4.15	7.89	12.32
Yakima, WA	CO	Maintenance	100	-	2.05	3.89	6.08
York, PA	Ozone	Maintenance	100	-	20.42	38.85	60.69
York, PA	PM _{2.5}	Nonattainment	100	-	15.79	30.05	46.95
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	23.54	44.79	69.97
Yuma, AZ	PM ₁₀	Moderate	100	-	9.38	17.85	27.89

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.23	0.30	-0.04
Albuquerque, NM	CO	Maintenance	100	-	0.10	0.14	-0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.14	-0.02
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.02	0.03	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.16	1.53	-0.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.17	1.53	-0.18
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.15	-0.21	-0.56
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.52	0.69	-0.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.52	0.69	-0.08
Baton Rouge, LA	Ozone	Moderate	50	-	-13.22	-18.30	-32.45
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-42.45	-58.71	-103.32
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Billings, MT	CO	Maintenance	100	-	-7.05	-9.76	-17.17
Birmingham, AL	Ozone	Maintenance	100	-	-0.45	-0.63	-1.56

Appendix B

Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.45	-0.63	-1.56
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.06	0.07	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.15	0.20	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.90	1.18	-0.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	0.15	-0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.21	0.27	-0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.08	-1.50	-2.77
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.08	-1.50	-2.77
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.07	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.13	0.17	-0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.29	0.38	-0.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.10	0.13	-0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.09	0.11	-0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-18.55	-25.74	-48.27
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-18.51	-25.69	-48.27
Chico, CA	CO	Maintenance	100	-	0.02	0.02	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.35	0.46	-0.05

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.34	0.44	-0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.26	0.34	-0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.05	0.06	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.17	0.22	-0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.46	0.60	-0.07
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.43	0.56	-0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.11	0.14	-0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.10	0.13	-0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.12	0.15	-0.02
Columbus, OH	Ozone	Maintenance	100	-	0.29	0.38	-0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.27	0.35	-0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.17	0.22	-0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.14	0.18	-0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.20	1.57	-0.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.15	0.20	-0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.17	-0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-8.15	-11.31	-21.13
Denver-Boulder, CO	CO	Maintenance	100	-	-8.17	-11.34	-21.13
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-8.04	-11.17	-21.15
Detroit, MI	CO	Maintenance	100	-	-6.43	-8.91	-16.36
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.92	-11.01	-21.36
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.94	-11.03	-21.36

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.61	-21.60	-38.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.65	-6.44	-11.52
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.05	-0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.05	-0.01
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.06	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.04	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.08	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.07	0.09	-0.01

Appendix B

Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.10	0.13	-0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.14	0.19	-0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.29	0.38	-0.05
Greeley, CO	CO	Maintenance	100	-	0.02	0.03	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.29	0.38	-0.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.14	0.19	-0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.16	0.21	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.15	0.20	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	-0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.19	0.25	-0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-63.93	-88.49	-157.87
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.51	-11.77	-20.82
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.54	-11.81	-20.82
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.05	-0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.05	-0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.35	0.46	-0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.28	0.36	-0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.03	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	0.12	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.29	0.38	-0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.00

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.21	0.27	-0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.16	0.21	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	0.11	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Las Vegas, NV	CO	Serious	100	-	0.26	0.34	-0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.26	0.34	-0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-10.86	-15.01	-26.42
Longmont, CO	CO	Maintenance	100	-	0.02	0.02	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-28.16	-39.13	-75.27
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-28.16	-39.13	-75.27
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-28.16	-39.13	-75.27
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-28.16	-39.13	-75.27
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-28.16	-39.13	-75.27
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.12	0.16	-0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.20	0.26	-0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.26	-0.03
Lowell, MA	CO	Maintenance	100	-	0.02	0.03	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.05	0.07	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.04	0.05	-0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.04	0.06	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.06	0.07	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.01	0.02	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.17	-4.40	-8.18
Memphis, TN	CO	Maintenance	100	-	-3.19	-4.42	-8.17
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.10	0.12	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.31	0.41	-0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.51	0.66	-0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.49	0.64	-0.08
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Modesto, CA	CO	Maintenance	100	-	0.05	0.07	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.29	0.37	-0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.14	0.18	-0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.08	0.11	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.11	-3.01	-8.72
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.19	-3.22	-12.13
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.21	-3.25	-12.12
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-11.84	-16.40	-29.49
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-1.28	-1.78	-3.16
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.09	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-18.00	-24.95	-45.77
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-17.68	-24.53	-45.95
Phoenix, AZ	CO	Maintenance	100	-	0.77	1.00	-0.14
Phoenix, AZ	PM ₁₀	Serious	70	-	0.79	1.04	-0.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.79	1.04	-0.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.35	0.46	-0.07
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.32	0.42	-0.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.10	0.13	-0.02

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.14	0.17	-0.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.23	0.31	-0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.17	0.23	-0.03
Provo, UT	CO	Maintenance	100	-	0.03	0.04	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.23	0.30	-0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.31	0.40	-0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.06	0.08	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.01
Reno, NV	CO	Maintenance	100	-	0.04	0.06	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.20	0.26	-0.08
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.11	0.14	-0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.24	0.31	-0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.25	0.33	-0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.45	0.59	-0.07
Sacramento, CA	CO	Maintenance	100	-	0.28	0.37	-0.04
Salem, OR	CO	Maintenance	100	-	0.02	0.03	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	-2.99	-4.14	-7.37

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.85	-3.95	-7.39
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.18	0.24	-0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.32	0.43	-0.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.10	-0.01
San Diego, CA	CO	Maintenance	100	-	0.71	0.93	-0.11
San Diego, CA	Ozone	Former Subpart 1	50	-	0.71	0.93	-0.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-23.93	-33.18	-61.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-23.78	-32.98	-61.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.54	0.70	-0.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.55	0.70	-0.67
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.54	0.70	-0.67
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.12	0.16	-0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.52	0.68	-0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.03	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.08	0.11	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.01
Spokane, WA	CO	Maintenance	100	-	0.05	0.07	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.16	0.21	-0.02
Springfield, MA	CO	Maintenance	100	-	0.03	0.03	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.17	0.22	-0.03
St. Louis, MO-IL	Ozone	Moderate	50	-	-48.17	-66.65	-118.39
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-48.17	-66.65	-118.39

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Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.09	-0.21
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.09	-0.21
Stockton, CA	CO	Maintenance	100	-	0.08	0.10	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	0.12	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Toledo, OH	Ozone	Maintenance	100	-	-11.22	-15.53	-27.52
Toms River, NJ	CO	Maintenance	100	-	0.02	0.02	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.17	0.23	-0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.08	0.11	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.05	0.07	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.13	0.17	-0.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.28	0.36	-0.04

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**Table B.1-53
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.94	1.23	-0.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.92	1.20	-0.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.06	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.13	-7.10	-12.50
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.07	0.09	-0.01
Worcester, MA	CO	Maintenance	100	-	0.04	0.05	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
York, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.12	0.15	-0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.53	0.72	-2.12
Albuquerque, NM	CO	Maintenance	100	-	0.24	0.33	-0.98
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.25	0.33	-0.98
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.17
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.28
Anchorage, AK	CO	Maintenance	100	-	0.06	0.08	-0.24
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	2.78	3.75	-11.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.78	3.75	-11.13
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.03	-0.09
Bakersfield, CA	CO	Maintenance	100	-	-0.30	-0.50	-1.79
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.02
Baltimore, MD	Ozone	Moderate	50	-	1.24	1.67	-4.97
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.24	1.67	-4.97
Baton Rouge, LA	Ozone	Moderate	50	-	-28.28	-44.03	-64.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-90.87	-141.28	-200.77
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.07	0.10	-0.30
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.06	0.08	-0.24
Billings, MT	CO	Maintenance	100	-	-15.10	-23.48	-33.38
Birmingham, AL	Ozone	Maintenance	100	-	-0.93	-1.53	-4.65

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.93	-1.53	-4.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.13	0.18	-0.54
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.13	0.18	-0.54
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.35	0.48	-1.42
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.12	2.86	-8.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.27	0.36	-1.08
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.48	0.65	-1.91
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.31	-3.61	-5.83
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.31	-3.61	-5.83
Case County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.11	0.15	-0.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-0.46
Charlotte, NC	CO	Maintenance	100	-	0.31	0.41	-1.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.68	0.92	-2.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.22	0.30	-0.91
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.20	0.27	-0.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-39.44	-61.90	-104.86
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-39.34	-61.77	-105.26
Chico, CA	CO	Maintenance	100	-	0.05	0.06	-0.18
Chico, CA	Ozone	Former Subpart 1	50	-	0.10	0.14	-0.42
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.82	1.10	-3.27

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.79	1.07	-3.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.62	0.84	-2.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.11	0.15	-0.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.30
Cleveland, OH	CO	Maintenance	100	-	0.39	0.52	-1.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.07	1.44	-4.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.98	1.33	-3.94
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.27	0.36	-1.06
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.10
Colorado Springs, CO	CO	Maintenance	100	-	0.25	0.33	-0.98
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.27	0.36	-1.08
Columbus, OH	Ozone	Maintenance	100	-	0.70	0.94	-2.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.65	0.87	-2.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.39	0.52	-1.55
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.32	0.43	-1.27
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.89	3.90	-11.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.35	0.47	-1.39
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.31	0.41	-1.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.31	-27.17	-45.74
Denver-Boulder, CO	CO	Maintenance	100	-	-17.37	-27.24	-45.52
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-17.06	-26.82	-46.76
Detroit, MI	CO	Maintenance	100	-	-13.68	-21.40	-34.15
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-16.80	-26.50	-48.82
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-16.83	-26.55	-48.68

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.06
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.06
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.05
Duluth, MN	CO	Maintenance	100	-	0.03	0.05	-0.14
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-33.42	-51.97	-74.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-9.94	-15.49	-23.10
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	-0.05
Erie, PA	Ozone	Maintenance	100	-	0.09	0.13	-0.38
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.13	-0.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.09	0.12	-0.37
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.14	-0.42
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.54
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	0.17	-0.49
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.22	0.29	-0.86
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.07	0.10	-0.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.15	0.20	-0.61
Franklin County, PA	Ozone	Maintenance	100	-	0.06	0.09	-0.25
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.22
Fredericksburg, VA	Ozone	Maintenance	100	-	0.17	0.23	-0.69

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Fresno, CA	CO	Maintenance	100	-	0.24	0.33	-0.98
Grand Rapids, MI	Ozone	Maintenance	100	-	0.34	0.45	-1.35
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.05
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.68	0.92	-2.73
Greeley, CO	CO	Maintenance	100	-	0.05	0.07	-0.20
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.07	-0.20
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.67	0.91	-2.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.33	0.45	-1.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.37	0.50	-1.49
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.06	-0.19
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.35	0.48	-1.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.33	0.44	-1.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.44	0.59	-1.77
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.10	-0.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.49
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-136.64	-212.89	-314.85
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.21	-28.34	-40.81
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-18.27	-28.41	-40.58
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.05
Imperial County, CA	Ozone	Moderate	50	-	0.09	0.12	-0.36
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.09	0.12	-0.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.06
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.83	1.12	-3.33
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.66	0.89	-2.64
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.13
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.09	-0.26
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.07	-0.21
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.09	0.12	-0.36
Johnstown, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.17
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.18
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.21	0.28	-0.84
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.69	0.93	-2.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.08	-0.24
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.14
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.08

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.49	0.67	-1.97
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.38	0.51	-1.53
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.13	0.17	-0.50
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.04	-0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.19	0.25	-0.75
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.25	-0.75
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.20	0.27	-0.79
LaPorte, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.16
Las Vegas, NV	CO	Serious	100	-	0.62	0.84	-2.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.63	0.85	-2.53
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.05	-0.15
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Lima, OH	Ozone	Maintenance	100	-	-23.24	-36.13	-51.36
Longmont, CO	CO	Maintenance	100	-	0.04	0.05	-0.15
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.08

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-59.64	-93.99	-170.36
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-59.64	-93.99	-170.36
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-59.64	-93.99	-170.36
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-59.64	-93.99	-170.36
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-59.64	-93.99	-170.36
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.29	0.39	-1.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.47	0.63	-1.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.45	0.61	-1.81
Lowell, MA	CO	Maintenance	100	-	0.05	0.06	-0.19
Lucas County, OH	SO _x	Maintenance	100	-	0.12	0.17	-0.50
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.12
Macon, GA	Ozone	Maintenance	100	-	0.09	0.12	-0.35
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.12	-0.34
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.10	0.14	-0.41
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.13
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.17
Marion County, IN	SO _x	Maintenance	100	-	0.13	0.17	-0.52
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-0.53
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Medford, OR	CO	Maintenance	100	-	0.03	0.04	-0.13
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.08	0.10	-0.31
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.77	-10.60	-17.44
Memphis, TN	CO	Maintenance	100	-	-6.80	-10.65	-17.31
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.05

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Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.22	0.30	-0.88
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.74	1.00	-2.95
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.19	1.61	-4.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.16	1.57	-4.65
Missoula, MT	CO	Maintenance	100	-	0.03	0.03	-0.10
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.10
Modesto, CA	CO	Maintenance	100	-	0.13	0.17	-0.51
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.17
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	-0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.05
Muncie, IN	Ozone	Maintenance	100	-	0.05	0.06	-0.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.07	-0.21
Nashua, NH	CO	Maintenance	100	-	0.03	0.03	-0.10
Nashville, TN	Ozone	Former Subpart 1	50	-	0.68	0.92	-2.72
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.23
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.06	0.08	-0.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.33	0.44	-1.30
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.19	0.26	-0.76
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.25	-7.28	-29.45
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.17	-7.74	-47.35
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.23	-7.81	-47.14
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07

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Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-25.30	-39.46	-59.65
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	-0.12
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.18
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.08	-0.24
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.24
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.05	-0.17
Perth Amboy, NJ	CO	Maintenance	100	-	-2.75	-4.28	-6.24
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.16	0.22	-0.65
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-38.38	-60.04	-95.78
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-37.63	-59.05	-99.47
Phoenix, AZ	CO	Maintenance	100	-	1.93	2.61	-7.86
Phoenix, AZ	PM ₁₀	Serious	70	-	1.99	2.69	-8.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.00	2.70	-8.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.82	1.10	-3.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.75	1.01	-3.06
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.23	0.31	-0.93

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Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.33	0.42	-2.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.57	0.76	-2.27
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.41	0.55	-1.63
Provo, UT	CO	Maintenance	100	-	0.07	0.09	-0.27
Raleigh-Durham, NC	CO	Maintenance	100	-	0.54	0.73	-2.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.74	1.00	-2.95
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.14	0.19	-0.55
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.19	-0.55
Reno, NV	CO	Maintenance	100	-	0.10	0.14	-0.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.47	0.62	-2.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.08
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.27	0.36	-1.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.11	0.15	-0.43
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.04	-0.13
Rochester, NY	Ozone	Former Subpart 1	50	-	0.55	0.75	-2.22
Rocky Mount, NC	Ozone	Maintenance	100	-	0.08	0.10	-0.31
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.20
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.62	0.84	-2.48
Sacramento Metro, CA	Ozone	Severe	25	-	1.11	1.50	-4.47
Sacramento, CA	CO	Maintenance	100	-	0.69	0.93	-2.77
Salem, OR	CO	Maintenance	100	-	0.05	0.07	-0.22
Salt Lake City, UT	CO	Maintenance	100	-	-6.40	-9.96	-14.61

Appendix B

Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.06	-9.51	-15.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.43	0.58	-1.71
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.77	1.04	-3.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.18	0.24	-0.71
San Diego, CA	CO	Maintenance	100	-	1.72	2.32	-6.90
San Diego, CA	Ozone	Former Subpart 1	50	-	1.72	2.33	-6.91
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-50.95	-79.75	-128.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-50.60	-79.27	-129.88
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.40	1.79	-8.62
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.41	1.80	-8.65
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.40	1.79	-8.62
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.28	0.37	-1.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.24	1.67	-4.96
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.07	-0.20
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.19	0.25	-0.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.33
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.12	0.17	-0.49
Spokane, WA	CO	Maintenance	100	-	0.12	0.16	-0.49
Springfield (western MA), MA	Ozone	Moderate	50	-	0.37	0.50	-1.48
Springfield, MA	CO	Maintenance	100	-	0.06	0.08	-0.24
St. Louis, MO	CO	Maintenance	100	-	0.38	0.51	-1.52
St. Louis, MO-IL	Ozone	Moderate	50	-	-103.03	-160.40	-234.08
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-103.03	-160.41	-234.04

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Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.28
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.14	-0.23	-0.56
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.14	-0.23	-0.56
Stockton, CA	CO	Maintenance	100	-	0.19	0.26	-0.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.21	0.29	-0.85
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.22
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.09
Toledo, OH	Ozone	Maintenance	100	-	-24.01	-37.38	-54.20
Toms River, NJ	CO	Maintenance	100	-	0.04	0.06	-0.16
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.06	-0.17
Trenton, NJ	CO	Maintenance	100	-	0.04	0.05	-0.15
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.41	0.56	-1.65
Utah County, UT	PM ₁₀	Moderate	100	-	0.20	0.27	-0.80
Vancouver, WA	CO	Maintenance	100	-	0.13	0.17	-0.52
Ventura County, CA	Ozone	Serious	50	-	0.32	0.42	-1.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.05	0.07	-0.22
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.09
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.09	0.12	-0.35
Washington, DC-MD-VA	CO	Maintenance	100	-	0.65	0.88	-2.60

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**Table B.1-54
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.24	3.02	-8.96
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.19	2.96	-8.77
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.14	-0.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.12
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.00	-17.10	-24.36
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.06	0.08	-0.25
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.25
Winston-Salem, NC	CO	Maintenance	100	-	0.17	0.23	-0.68
Worcester, MA	CO	Maintenance	100	-	0.09	0.12	-0.36
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.15
Yakima, WA	CO	Maintenance	100	-	0.02	0.02	-0.06
York, PA	Ozone	Maintenance	100	-	0.18	0.25	-0.74
York, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.19	-0.57
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.26	0.36	-1.06
Yuma, AZ	PM ₁₀	Moderate	100	-	0.08	0.10	-0.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.87	2.57	-15.15
Albuquerque, NM	CO	Maintenance	100	-	0.85	1.17	-6.89
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.23	0.31	-1.83
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.86	1.19	-6.99
Altoona, PA	Ozone	Maintenance	100	-	0.14	0.19	-1.12
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.29	0.41	-2.39
Anchorage, AK	CO	Maintenance	100	-	0.22	0.30	-1.79
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Atlanta, GA	Ozone	Moderate	50	-	10.20	14.06	-82.85
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	10.20	14.07	-82.88
Atlantic City, NJ	CO	Maintenance	100	-	0.07	0.10	-0.58
Bakersfield, CA	CO	Maintenance	100	-	-0.45	-0.94	-7.79
Baltimore, MD	CO	Maintenance	100	-	0.01	0.02	-0.11
Baltimore, MD	Ozone	Moderate	50	-	4.47	6.16	-36.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	4.47	6.16	-36.27
Baton Rouge, LA	Ozone	Moderate	50	-	-66.13	-109.80	-141.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-213.41	-353.53	-428.57
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.24	0.33	-1.93
Benzie County, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.30
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.22	0.30	-1.79
Billings, MT	CO	Maintenance	100	-	-35.45	-58.74	-71.33
Birmingham, AL	Ozone	Maintenance	100	-	-1.75	-3.30	-17.82

Appendix B

Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.75	-3.29	-17.86
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.49	0.68	-4.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.49	0.68	-4.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.03	0.04	-0.22
Boston, MA	CO	Maintenance	100	-	1.22	1.68	-9.87
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	7.43	10.25	-60.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.97	1.34	-7.90
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.02	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.63	2.24	-13.22
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.08
Butte, MT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.22
Canon City, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.31	-8.90	-14.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.31	-8.90	-14.61
Case County, MI	Ozone	Maintenance	100	-	0.06	0.08	-0.50
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Charleston, WV	Ozone	Maintenance	100	-	0.37	0.51	-2.99
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.37	0.51	-2.99
Charlotte, NC	CO	Maintenance	100	-	1.13	1.56	-9.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.49	3.44	-20.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.76	1.05	-6.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.70	0.97	-5.76
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-89.09	-150.44	-282.46
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-88.74	-149.95	-285.34
Chico, CA	CO	Maintenance	100	-	0.19	0.26	-1.53
Chico, CA	Ozone	Former Subpart 1	50	-	0.41	0.57	-3.37
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.87	3.95	-23.27

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.78	3.83	-22.55
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.14
Clark County, NV	PM ₁₀	Serious	70	-	2.42	3.34	-19.65
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.39	0.54	-3.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.25	0.35	-2.06
Cleveland, OH	CO	Maintenance	100	-	1.23	1.69	-9.97
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.61	4.98	-29.33
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.31	4.57	-26.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.07	1.48	-8.73
Colbert County, AL	SO _x	Maintenance	100	-	0.08	0.11	-0.63
Colorado Springs, CO	CO	Maintenance	100	-	0.92	1.27	-7.48
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.94	1.30	-7.67
Columbus, OH	Ozone	Maintenance	100	-	2.58	3.55	-20.94
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.40	3.30	-19.46
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.23	1.69	-9.97
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.02	1.41	-8.29
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	10.90	15.02	-88.50
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.15	1.59	-9.34
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.01	1.40	-8.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-39.00	-65.85	-123.81
Denver-Boulder, CO	CO	Maintenance	100	-	-39.20	-66.13	-122.17
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-38.05	-64.54	-131.53
Detroit, MI	CO	Maintenance	100	-	-31.10	-52.07	-82.72
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-37.32	-63.64	-141.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-37.44	-63.81	-140.32

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.45
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.07	-0.40
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.06	-0.33
Duluth, MN	CO	Maintenance	100	-	0.11	0.15	-0.90
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.02	-0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-78.47	-130.02	-158.41
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-23.11	-38.48	-53.13
El Paso, TX	CO	Maintenance	100	-	0.04	0.06	-0.36
Erie, PA	Ozone	Maintenance	100	-	0.32	0.43	-2.56
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.34	0.47	-2.78
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.33	0.45	-2.66
Evansville, IN	Ozone	Maintenance	100	-	0.36	0.50	-2.93
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.46	0.63	-3.74
Fairbanks, AK	CO	Maintenance	100	-	0.03	0.04	-0.22
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.43	0.59	-3.46
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.09
Flint, MI	Ozone	Maintenance	100	-	0.73	1.00	-5.92
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.28	0.38	-2.26
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.53	0.73	-4.29
Franklin County, PA	Ozone	Maintenance	100	-	0.23	0.31	-1.83
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.19	0.26	-1.54
Fredericksburg, VA	Ozone	Maintenance	100	-	0.66	0.91	-5.38

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.03	0.04	-0.23
Fresno, CA	CO	Maintenance	100	-	0.91	1.25	-7.43
Grand Rapids, MI	Ozone	Maintenance	100	-	1.22	1.69	-9.94
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.44
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.42
Great Falls, MT	CO	Maintenance	100	-	0.02	0.03	-0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	2.31	3.18	-18.76
Greeley, CO	CO	Maintenance	100	-	0.19	0.26	-1.52
Green Bay, WI	SO _x	Maintenance	100	-	0.18	0.25	-1.47
Greene County, IN	Ozone	Maintenance	100	-	0.07	0.10	-0.57
Greene County, PA	Ozone	Maintenance	100	-	0.06	0.09	-0.51
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.31	3.19	-18.78
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.13	1.56	-9.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.25	1.72	-10.15
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.04	-0.26
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.17	0.23	-1.36
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.28	1.77	-10.41
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.18	1.63	-9.60
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.48	2.03	-11.99
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.02	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.06	0.09	-0.51
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	0.06	0.08	-0.46
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.24	0.34	-1.98
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.41	0.56	-3.32
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-318.23	-529.29	-715.86
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-42.69	-70.80	-88.79
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-42.89	-71.08	-87.19
Huron County, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.32
Imperial County, CA	Ozone	Moderate	50	-	0.35	0.48	-2.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.34	0.47	-2.79
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.38
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	2.99	4.12	-24.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.38	3.27	-19.29
Jackson County, IN	Ozone	Maintenance	100	-	0.11	0.15	-0.91
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.22	0.30	-1.78
Jefferson County, NY	Ozone	Moderate	50	-	0.18	0.24	-1.43
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.30	0.41	-2.44
Johnstown, PA	Ozone	Maintenance	100	-	0.12	0.17	-1.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.19	-1.11
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.15
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.71	0.98	-5.78
Kalispell, MT	PM ₁₀	Moderate	100	-	0.05	0.06	-0.37
Kansas City, MO-KS	Ozone	Maintenance	100	-	2.49	3.44	-20.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.22	0.30	-1.75
Kent, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.12	0.16	-0.96
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.05	-0.28
King County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	0.07	0.09	-0.56

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.56
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.84	2.53	-14.91
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.40	1.93	-11.37
La Porte County, IN	SO _x	Maintenance	100	-	0.05	0.06	-0.38
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.17
Lake County, IN	SO _x	Maintenance	100	-	0.41	0.57	-3.36
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.07	-0.41
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.05	0.07	-0.43
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.12	0.16	-0.93
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.04	-0.24
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.66	0.91	-5.37
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.66	0.91	-5.37
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.69	0.95	-5.57
LaPorte, IN	Ozone	Maintenance	100	-	0.13	0.18	-1.06
Las Vegas, NV	CO	Serious	100	-	2.42	3.34	-19.65
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.45	3.38	-19.89
Lauderdale County, AL	SO _x	Maintenance	100	-	0.12	0.17	-0.97
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.14
Lima, OH	Ozone	Maintenance	100	-	-54.57	-90.40	-109.69
Longmont, CO	CO	Maintenance	100	-	0.15	0.20	-1.18
Lorain County, OH	SO _x	Maintenance	100	-	0.07	0.09	-0.54

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-131.81	-224.70	-495.99
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-131.81	-224.70	-495.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-131.81	-224.70	-495.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-131.81	-224.70	-496.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-131.81	-224.70	-495.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.06	1.46	-8.63
Louisville, KY-IN	Ozone	Maintenance	100	-	1.59	2.19	-12.90
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.52	2.10	-12.37
Lowell, MA	CO	Maintenance	100	-	0.17	0.24	-1.39
Lucas County, OH	SO _x	Maintenance	100	-	0.40	0.56	-3.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.72
Macon, GA	Ozone	Maintenance	100	-	0.28	0.39	-2.27
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.28	0.38	-2.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.39	0.53	-3.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.14
Manchester, NH	CO	Maintenance	100	-	0.10	0.14	-0.84
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.14	0.19	-1.14
Marion County, IN	SO _x	Maintenance	100	-	0.43	0.59	-3.47
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.19	0.26	-1.54
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.46	0.64	-3.74
Mason County, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.31
Medford, OR	CO	Maintenance	100	-	0.13	0.17	-1.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.30	0.41	-2.44
Memphis, TN-AR	Ozone	Maintenance	100	-	-15.51	-26.06	-44.53
Memphis, TN	CO	Maintenance	100	-	-15.62	-26.21	-43.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.05	0.06	-0.38

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	0.73	1.00	-5.90
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.60	3.58	-21.08
Minneapolis-St Paul, MN	CO	Maintenance	100	-	4.29	5.92	-34.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	4.17	5.75	-33.87
Missoula, MT	CO	Maintenance	100	-	0.09	0.13	-0.74
Missoula, MT	PM ₁₀	Moderate	100	-	0.09	0.12	-0.72
Modesto, CA	CO	Maintenance	100	-	0.51	0.70	-4.12
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.17	0.24	-1.40
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.04
Morristown, NJ	CO	Maintenance	100	-	0.05	0.07	-0.43
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.04	0.05	-0.32
Muncie, IN	Ozone	Maintenance	100	-	0.15	0.21	-1.22
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.03	-0.18
Muskegon, MI	Ozone	Maintenance	100	-	0.19	0.26	-1.53
Nashua, NH	CO	Maintenance	100	-	0.08	0.11	-0.67
Nashville, TN	Ozone	Former Subpart 1	50	-	2.47	3.40	-20.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.25	0.35	-2.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.22	0.30	-1.76
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.09	1.51	-8.89
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.01	-0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.61	0.84	-4.97
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-6.55	-13.92	-124.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.92	-10.74	-221.53
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.10	-11.01	-219.99
Nogales, AZ	PM ₁₀	Moderate	100	-	0.06	0.08	-0.49

Appendix B

Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-58.74	-97.89	-139.10
Ogden, UT	CO	Maintenance	100	-	0.10	0.14	-0.80
Ogden, UT	PM ₁₀	Moderate	100	-	0.10	0.14	-0.80
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.17	0.23	-1.36
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.20	0.28	-1.63
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.28	-1.64
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.24
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.13	0.18	-1.12
Perth Amboy, NJ	CO	Maintenance	100	-	-6.41	-10.64	-13.99
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.52	0.71	-4.19
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-88.25	-147.88	-238.40
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-85.51	-144.17	-263.31
Phoenix, AZ	CO	Maintenance	100	-	8.15	11.23	-66.63
Phoenix, AZ	PM ₁₀	Serious	70	-	8.37	11.54	-68.45
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	8.40	11.57	-68.65
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.04	0.05	-0.31
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.76	3.79	-22.61
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.51	3.46	-20.65
Polk County, TN	SO _x	Maintenance	100	-	0.03	0.04	-0.24
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.81	1.11	-6.59

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.30	1.70	-14.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.06	0.08	-0.50
Poughkeepsie, NY	Ozone	Moderate	50	-	2.15	2.96	-17.45
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	1.45	2.00	-11.79
Provo, UT	CO	Maintenance	100	-	0.26	0.35	-2.09
Raleigh-Durham, NC	CO	Maintenance	100	-	2.02	2.78	-16.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.74	3.78	-22.26
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.47	0.65	-3.85
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.47	0.65	-3.85
Reno, NV	CO	Maintenance	100	-	0.35	0.49	-2.87
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.66	2.27	-14.46
Rillito, AZ	PM ₁₀	Moderate	100	-	0.08	0.11	-0.65
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.07	1.48	-8.73
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.36	0.50	-2.96
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.12	0.16	-0.97
Rochester, NY	Ozone	Former Subpart 1	50	-	1.91	2.63	-15.51
Rocky Mount, NC	Ozone	Maintenance	100	-	0.26	0.35	-2.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.17	0.23	-1.38
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.46	3.39	-19.95
Sacramento Metro, CA	Ozone	Severe	25	-	4.50	6.21	-36.59
Sacramento, CA	CO	Maintenance	100	-	2.76	3.81	-22.42
Salem, OR	CO	Maintenance	100	-	0.18	0.25	-1.50
Salt Lake City, UT	CO	Maintenance	100	-	-14.93	-24.80	-32.79

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-13.72	-23.14	-42.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.53	2.10	-12.39
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.79	3.85	-22.68
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.66	0.91	-5.36
San Diego, CA	CO	Maintenance	100	-	6.68	9.20	-54.22
San Diego, CA	Ozone	Former Subpart 1	50	-	6.69	9.22	-54.32
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-116.12	-195.02	-329.96
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-114.86	-193.28	-340.18
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.26	8.31	-62.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.28	8.34	-62.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.26	8.31	-62.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.05	0.07	-0.43
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.95	1.32	-7.75
Seattle-Tacoma, WA	CO	Maintenance	100	-	4.52	6.23	-36.71
Sheboygan, WI	Ozone	Moderate	50	-	0.18	0.24	-1.43
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.04	-0.25
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.03	0.04	-0.21
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.65	0.89	-5.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.17	0.22	-1.82
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.45	0.62	-3.63
Spokane, WA	CO	Maintenance	100	-	0.44	0.61	-3.59
Springfield (western MA), MA	Ozone	Moderate	50	-	1.27	1.76	-10.35
Springfield, MA	CO	Maintenance	100	-	0.21	0.29	-1.73
St. Louis, MO	CO	Maintenance	100	-	1.17	1.62	-9.52
St. Louis, MO-IL	Ozone	Moderate	50	-	-240.94	-400.11	-518.88
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-240.97	-400.15	-518.66

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.26	0.36	-2.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.25
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	0.08	-0.46
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.30	-0.53	-1.87
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.30	-0.53	-1.87
Stockton, CA	CO	Maintenance	100	-	0.77	1.06	-6.22
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.71	0.98	-5.77
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.17	0.24	-1.40
Tioga County, PA	Ozone	Maintenance	100	-	0.08	0.10	-0.62
Toledo, OH	Ozone	Maintenance	100	-	-56.22	-93.30	-119.08
Toms River, NJ	CO	Maintenance	100	-	0.16	0.22	-1.28
Tooele County, UT	SO _x	Nonattainment	100	-	0.15	0.21	-1.22
Trenton, NJ	CO	Maintenance	100	-	0.13	0.18	-1.05
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Tucson, AZ	CO	Maintenance	100	-	1.53	2.11	-12.40
Utah County, UT	PM ₁₀	Moderate	100	-	0.75	1.03	-6.05
Vancouver, WA	CO	Maintenance	100	-	0.50	0.68	-4.03
Ventura County, CA	Ozone	Serious	50	-	1.29	1.76	-11.19
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	0.17	0.24	-1.40
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.08	0.11	-0.65
Warren County, NJ	SO _x	Maintenance	100	-	0.05	0.07	-0.43
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.23
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.30	0.41	-2.44
Washington, DC-MD-VA	CO	Maintenance	100	-	2.30	3.17	-18.65

Appendix B

**Table B.1-55
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	8.22	11.33	-66.74
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	8.04	11.08	-65.26
Washoe County, NV	PM ₁₀	Serious	70	-	0.35	0.49	-2.87
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.09	0.13	-0.75
Wayne County, MI	PM ₁₀	Maintenance	100	-	-25.95	-43.00	-52.66
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.09
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.02	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.19	0.27	-1.57
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.19	0.27	-1.57
Winston-Salem, NC	CO	Maintenance	100	-	0.60	0.82	-4.85
Worcester, MA	CO	Maintenance	100	-	0.33	0.46	-2.72
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.14	0.19	-1.11
Yakima, WA	CO	Maintenance	100	-	0.06	0.08	-0.50
York, PA	Ozone	Maintenance	100	-	0.66	0.91	-5.38
York, PA	PM _{2.5}	Nonattainment	100	-	0.51	0.71	-4.17
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.85	1.17	-6.89
Yuma, AZ	PM ₁₀	Moderate	100	-	0.29	0.40	-2.37

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	3.65	5.24	-20.44
Albuquerque, NM	CO	Maintenance	100	-	1.64	2.36	-9.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.46	0.66	-2.59
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.67	2.41	-9.39
Altoona, PA	Ozone	Maintenance	100	-	0.25	0.35	-1.40
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.66	0.95	-3.70
Anchorage, AK	CO	Maintenance	100	-	0.44	0.64	-2.49
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.03	-0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.02	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.12
Atlanta, GA	Ozone	Moderate	50	-	20.64	29.67	-115.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	20.65	29.68	-115.76
Atlantic City, NJ	CO	Maintenance	100	-	0.13	0.19	-0.76
Bakersfield, CA	CO	Maintenance	100	-	-0.05	-0.40	-10.62
Baltimore, MD	CO	Maintenance	100	-	0.03	0.04	-0.15
Baltimore, MD	Ozone	Moderate	50	-	8.90	12.79	-49.87
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	8.90	12.79	-49.87
Baton Rouge, LA	Ozone	Moderate	50	-	-83.11	-139.11	-178.99
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-270.14	-450.89	-539.74
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.42	0.61	-2.36
Benzie County, MI	Ozone	Maintenance	100	-	0.08	0.11	-0.45
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.44	0.63	-2.47
Billings, MT	CO	Maintenance	100	-	-44.87	-74.89	-89.88
Birmingham, AL	Ozone	Maintenance	100	-	-1.35	-2.86	-22.91

Appendix B

Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.34	-2.85	-22.96
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.99	1.43	-5.57
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.99	1.43	-5.57
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	0.08	-0.33
Boston, MA	CO	Maintenance	100	-	2.34	3.36	-13.11
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	14.50	20.84	-81.29
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.94	2.78	-10.85
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	0.04	-0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.09	4.44	-17.33
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	-0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.05	0.07	-0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	-6.49	-11.00	-18.47
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-6.49	-11.00	-18.47
Case County, MI	Ozone	Maintenance	100	-	0.12	0.17	-0.65
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.02	-0.08
Charleston, WV	Ozone	Maintenance	100	-	0.66	0.95	-3.71
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.66	0.95	-3.71
Charlotte, NC	CO	Maintenance	100	-	2.30	3.31	-12.89
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.03	7.22	-28.18
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.46	2.09	-8.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.35	1.94	-7.61
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-105.44	-180.68	-364.87
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-104.74	-179.67	-368.79
Chico, CA	CO	Maintenance	100	-	0.43	0.61	-2.39
Chico, CA	Ozone	Former Subpart 1	50	-	0.89	1.28	-5.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	5.58	8.02	-31.29

Appendix B

Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	5.40	7.76	-30.28
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.16
Clark County, NV	PM ₁₀	Serious	70	-	5.11	7.34	-28.63
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.79	1.14	-4.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.48	0.69	-2.70
Cleveland, OH	CO	Maintenance	100	-	2.17	3.12	-12.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	6.82	9.80	-38.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	6.23	8.96	-34.94
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.34	3.36	-13.10
Colbert County, AL	SO _x	Maintenance	100	-	0.14	0.20	-0.77
Colorado Springs, CO	CO	Maintenance	100	-	1.90	2.73	-10.65
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	1.85	2.66	-10.37
Columbus, OH	Ozone	Maintenance	100	-	5.25	7.54	-29.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	4.88	7.02	-27.38
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.17	3.12	-12.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.87	2.69	-10.50
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	22.49	32.33	-126.09
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.13	3.07	-11.96
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.87	2.69	-10.50
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-45.85	-78.66	-161.55
Denver-Boulder, CO	CO	Maintenance	100	-	-46.27	-79.26	-159.22
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-43.90	-75.86	-172.48
Detroit, MI	CO	Maintenance	100	-	-41.12	-69.39	-106.63
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-42.79	-74.36	-181.92
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-43.03	-74.71	-180.57

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.11	0.16	-0.63
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.09	0.13	-0.52
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.08	0.11	-0.43
Duluth, MN	CO	Maintenance	100	-	0.20	0.29	-1.14
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.04	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-99.29	-165.75	-199.51
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-28.78	-48.34	-67.53
El Paso, TX	CO	Maintenance	100	-	0.09	0.12	-0.48
Erie, PA	Ozone	Maintenance	100	-	0.59	0.84	-3.29
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.68	0.98	-3.83
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.66	0.94	-3.68
Evansville, IN	Ozone	Maintenance	100	-	0.69	0.99	-3.87
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.87	1.25	-4.88
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.08	-0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.83	1.19	-4.63
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.13
Flint, MI	Ozone	Maintenance	100	-	1.38	1.98	-7.71
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.58	0.83	-3.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.03	1.47	-5.75
Franklin County, PA	Ozone	Maintenance	100	-	0.45	0.64	-2.50
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.37	0.53	-2.07
Fredericksburg, VA	Ozone	Maintenance	100	-	1.39	2.00	-7.79

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.06	0.09	-0.36
Fresno, CA	CO	Maintenance	100	-	1.85	2.66	-10.43
Grand Rapids, MI	Ozone	Maintenance	100	-	2.46	3.53	-13.76
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.09	0.14	-0.53
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.11	0.16	-0.61
Great Falls, MT	CO	Maintenance	100	-	0.04	0.06	-0.24
Greater Connecticut, CT	Ozone	Moderate	50	-	4.37	6.28	-24.48
Greeley, CO	CO	Maintenance	100	-	0.38	0.54	-2.12
Green Bay, WI	SO _x	Maintenance	100	-	0.35	0.51	-1.97
Greene County, IN	Ozone	Maintenance	100	-	0.14	0.19	-0.76
Greene County, PA	Ozone	Maintenance	100	-	0.12	0.17	-0.66
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4.43	6.37	-24.83
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.15	3.09	-12.05
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.34	3.37	-13.13
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.06	0.09	-0.34
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.32	0.47	-1.82
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.56	3.68	-14.35
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.36	3.39	-13.22
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.75	3.96	-15.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	0.05	-0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.13	0.19	-0.74
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.11	0.16	-0.63
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.45	0.65	-2.52
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.77	1.11	-4.31
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.03

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-397.19	-666.48	-909.43
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-53.87	-90.04	-111.83
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-54.25	-90.58	-109.71
Huron County, MI	Ozone	Maintenance	100	-	0.07	0.10	-0.41
Imperial County, CA	Ozone	Moderate	50	-	0.74	1.06	-4.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.72	1.04	-4.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.48
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	5.95	8.56	-33.37
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	4.74	6.81	-26.56
Jackson County, IN	Ozone	Maintenance	100	-	0.21	0.30	-1.19
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.41	0.60	-2.32
Jefferson County, NY	Ozone	Moderate	50	-	0.34	0.48	-1.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.56	0.81	-3.15
Johnstown, PA	Ozone	Maintenance	100	-	0.21	0.30	-1.15
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.33	-1.27
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	0.06	-0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.35	1.94	-7.58
Kalispell, MT	PM ₁₀	Moderate	100	-	0.10	0.14	-0.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	4.98	7.16	-27.92
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.43	0.62	-2.43
Kent, WA	PM ₁₀	Maintenance	100	-	0.08	0.12	-0.47
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.22	0.32	-1.26
Kewaunee County, WI	Ozone	Maintenance	100	-	0.06	0.09	-0.36
King County, WA	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.13	0.19	-0.72

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.13	0.19	-0.72
Knoxville, TN	Ozone	Former Subpart 1	50	-	3.76	5.40	-21.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.83	4.07	-15.88
La Porte County, IN	SO _x	Maintenance	100	-	0.08	0.12	-0.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.23
Lake County, IN	SO _x	Maintenance	100	-	0.76	1.09	-4.25
Lake County, OH	SO _x	Maintenance	100	-	0.09	0.14	-0.53
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.12	0.17	-0.67
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.27	0.39	-1.52
Lake Tahoe, NV	CO	Maintenance	100	-	0.05	0.08	-0.31
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	1.30	1.86	-7.27
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.30	1.86	-7.27
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.32	1.90	-7.42
LaPorte, IN	Ozone	Maintenance	100	-	0.23	0.34	-1.31
Las Vegas, NV	CO	Serious	100	-	5.11	7.34	-28.63
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.16	7.42	-28.93
Lauderdale County, AL	SO _x	Maintenance	100	-	0.22	0.32	-1.24
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.16
Lima, OH	Ozone	Maintenance	100	-	-69.07	-115.29	-138.14
Longmont, CO	CO	Maintenance	100	-	0.31	0.44	-1.73
Lorain County, OH	SO _x	Maintenance	100	-	0.13	0.18	-0.72

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-149.51	-260.26	-650.34
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-149.51	-260.26	-650.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-149.51	-260.26	-650.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-149.51	-260.26	-650.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-149.51	-260.26	-650.33
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.17	3.12	-12.16
Louisville, KY-IN	Ozone	Maintenance	100	-	3.01	4.33	-16.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.86	4.11	-16.04
Lowell, MA	CO	Maintenance	100	-	0.35	0.50	-1.95
Lucas County, OH	SO _x	Maintenance	100	-	0.73	1.05	-4.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.13	0.19	-0.90
Macon, GA	Ozone	Maintenance	100	-	0.50	0.72	-2.82
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.50	0.71	-2.78
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.81	1.16	-4.53
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.04	0.06	-0.24
Manchester, NH	CO	Maintenance	100	-	0.18	0.26	-1.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.26	0.38	-1.47
Marion County, IN	SO _x	Maintenance	100	-	0.79	1.13	-4.40
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.41	0.59	-2.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.89	1.28	-5.01
Mason County, MI	Ozone	Maintenance	100	-	0.08	0.11	-0.42
Medford, OR	CO	Maintenance	100	-	0.26	0.38	-1.48
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.64	0.92	-3.58
Memphis, TN-AR	Ozone	Maintenance	100	-	-18.87	-32.06	-56.21
Memphis, TN	CO	Maintenance	100	-	-19.05	-32.33	-55.19
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.10	0.14	-0.54

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	1.36	1.95	-7.62
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.07	7.29	-28.42
Minneapolis-St Paul, MN	CO	Maintenance	100	-	8.54	12.27	-47.85
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	8.29	11.91	-46.45
Missoula, MT	CO	Maintenance	100	-	0.18	0.26	-1.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.17	0.25	-0.98
Modesto, CA	CO	Maintenance	100	-	1.07	1.54	-6.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.37	0.53	-2.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.11	0.16	-0.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.07	0.10	-0.40
Muncie, IN	Ozone	Maintenance	100	-	0.26	0.37	-1.46
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.02	-0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.04	0.06	-0.25
Muskegon, MI	Ozone	Maintenance	100	-	0.37	0.53	-2.05
Nashua, NH	CO	Maintenance	100	-	0.15	0.21	-0.82
Nashville, TN	Ozone	Former Subpart 1	50	-	4.96	7.12	-27.78
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.57	0.81	-3.17
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.46	0.66	-2.57
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.05	2.95	-11.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.02	-0.09
New York County, NY	PM ₁₀	Moderate	100	-	1.11	1.59	-6.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.28	-6.99	-161.93
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10.47	7.95	-291.61
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10.09	7.40	-289.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.12	0.17	-0.68

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Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-72.99	-122.76	-176.33
Ogden, UT	CO	Maintenance	100	-	0.18	0.27	-1.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.18	0.27	-1.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.35	0.50	-1.94
Owens Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.37	0.54	-2.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.38	0.54	-2.11
Payson, AZ	PM ₁₀	Maintenance	100	-	0.06	0.09	-0.34
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.25	0.35	-1.42
Perth Amboy, NJ	CO	Maintenance	100	-	-8.00	-13.41	-17.89
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.92	1.32	-5.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-107.84	-182.66	-302.98
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-102.32	-174.80	-336.19
Phoenix, AZ	CO	Maintenance	100	-	18.18	26.11	-102.25
Phoenix, AZ	PM ₁₀	Serious	70	-	18.64	26.78	-104.85
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	18.68	26.84	-105.11
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.09	0.13	-0.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	5.17	7.42	-29.18
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	4.71	6.77	-26.65
Polk County, TN	SO _x	Maintenance	100	-	0.06	0.08	-0.31
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Portland, ME	Ozone	Maintenance	100	-	1.57	2.25	-8.81

Appendix B

Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	2.73	3.82	-18.66
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.11	0.16	-0.64
Poughkeepsie, NY	Ozone	Moderate	50	-	4.46	6.41	-25.01
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	2.86	4.12	-16.06
Provo, UT	CO	Maintenance	100	-	0.53	0.77	-2.99
Raleigh-Durham, NC	CO	Maintenance	100	-	4.13	5.94	-23.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	5.60	8.05	-31.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.91	1.31	-5.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.91	1.31	-5.09
Reno, NV	CO	Maintenance	100	-	0.69	0.99	-3.84
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.28	4.69	-19.21
Rillito, AZ	PM ₁₀	Moderate	100	-	0.17	0.25	-0.96
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.34	3.36	-13.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.68	0.98	-3.83
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.24	0.34	-1.33
Rochester, NY	Ozone	Former Subpart 1	50	-	3.66	5.27	-20.53
Rocky Mount, NC	Ozone	Maintenance	100	-	0.48	0.69	-2.69
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.32	0.46	-1.81
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.26	7.56	-29.47
Sacramento Metro, CA	Ozone	Severe	25	-	9.76	14.02	-54.69
Sacramento, CA	CO	Maintenance	100	-	5.92	8.51	-33.17
Salem, OR	CO	Maintenance	100	-	0.35	0.50	-1.96
Salt Lake City, UT	CO	Maintenance	100	-	-18.69	-31.32	-41.58

Appendix B

**Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-16.30	-27.88	-54.97
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.02	4.34	-16.93
San Antonio, TX	Ozone	Former Subpart 1	50	-	5.59	8.04	-31.36
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.32	1.89	-7.39
San Diego, CA	CO	Maintenance	100	-	14.07	20.23	-78.89
San Diego, CA	Ozone	Former Subpart 1	50	-	14.10	20.27	-79.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-139.47	-237.33	-427.78
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-137.01	-233.80	-441.56
San Joaquin Valley, CA	Ozone	Extreme	10	-	14.29	20.20	-91.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	14.32	20.25	-91.23
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	14.29	20.20	-91.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.11	0.16	-0.62
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.83	2.63	-10.27
Seattle-Tacoma, WA	CO	Maintenance	100	-	9.10	13.08	-51.00
Sheboygan, WI	Ozone	Moderate	50	-	0.35	0.50	-1.95
Sheridan, WY	PM ₁₀	Moderate	100	-	0.06	0.08	-0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.05	0.07	-0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.24	1.78	-6.94
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.29	0.40	-1.94
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.90	1.29	-5.02
Spokane, WA	CO	Maintenance	100	-	0.89	1.27	-4.96
Springfield (western MA), MA	Ozone	Moderate	50	-	2.44	3.51	-13.70
Springfield, MA	CO	Maintenance	100	-	0.43	0.62	-2.41
St. Louis, MO	CO	Maintenance	100	-	2.02	2.91	-11.35
St. Louis, MO-IL	Ozone	Moderate	50	-	-302.92	-507.09	-654.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-302.97	-507.17	-653.88

Appendix B

Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.52	0.75	-2.93
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.38
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.10	0.14	-0.56
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.32	-0.58	-2.32
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.32	-0.58	-2.32
Stockton, CA	CO	Maintenance	100	-	1.67	2.40	-9.35
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	1.33	1.91	-7.44
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.30	0.44	-1.70
Tioga County, PA	Ozone	Maintenance	100	-	0.14	0.20	-0.77
Toledo, OH	Ozone	Maintenance	100	-	-70.80	-118.44	-150.08
Toms River, NJ	CO	Maintenance	100	-	0.33	0.48	-1.87
Tooele County, UT	SO _x	Nonattainment	100	-	0.30	0.43	-1.67
Trenton, NJ	CO	Maintenance	100	-	0.25	0.36	-1.42
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.06
Tucson, AZ	CO	Maintenance	100	-	3.12	4.48	-17.47
Utah County, UT	PM ₁₀	Moderate	100	-	1.52	2.19	-8.53
Vancouver, WA	CO	Maintenance	100	-	1.04	1.49	-5.82
Ventura County, CA	Ozone	Serious	50	-	2.79	3.99	-16.34
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.30	0.44	-1.70
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.15	0.22	-0.86
Warren County, NJ	SO _x	Maintenance	100	-	0.10	0.15	-0.58
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.05	-0.30
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.57	0.82	-3.21
Washington, DC-MD-VA	CO	Maintenance	100	-	4.64	6.68	-26.04

Appendix B

**Table B.1-56
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	16.64	23.92	-93.31
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	16.26	23.37	-91.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.69	0.99	-3.84
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.16	0.23	-0.91
Wayne County, MI	PM ₁₀	Maintenance	100	-	-34.09	-56.94	-69.73
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.09
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.03	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.34	0.49	-1.90
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.34	0.49	-1.90
Winston-Salem, NC	CO	Maintenance	100	-	1.17	1.68	-6.54
Worcester, MA	CO	Maintenance	100	-	0.69	1.00	-3.89
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.27	0.38	-1.50
Yakima, WA	CO	Maintenance	100	-	0.13	0.19	-0.74
York, PA	Ozone	Maintenance	100	-	1.32	1.90	-7.39
York, PA	PM _{2.5}	Nonattainment	100	-	1.02	1.47	-5.72
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.52	2.19	-8.52
Yuma, AZ	PM ₁₀	Moderate	100	-	0.61	0.87	-3.40

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.11	-2.94	-5.62
Albuquerque, NM	CO	Maintenance	100	-	-0.98	-1.36	-2.60
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.24	-0.33	-0.63
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.98	-1.37	-2.61
Altoona, PA	Ozone	Maintenance	100	-	-0.19	-0.26	-0.49
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.25	-0.35	-0.68
Anchorage, AK	CO	Maintenance	100	-	-0.23	-0.32	-0.61
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Atlanta, GA	Ozone	Moderate	50	-	-10.91	-15.18	-29.00
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-10.91	-15.19	-29.02
Atlantic City, NJ	CO	Maintenance	100	-	-0.09	-0.12	-0.23
Bakersfield, CA	CO	Maintenance	100	-	-3.49	-4.85	-6.78
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.02	-0.05
Baltimore, MD	Ozone	Moderate	50	-	-4.90	-6.83	-13.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-4.90	-6.83	-13.04
Baton Rouge, LA	Ozone	Moderate	50	-	-31.11	-43.22	-55.83
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-416.58	-578.75	-734.02
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.31	-0.43	-0.82
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.05	-0.10
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.24	-0.33	-0.64
Billings, MT	CO	Maintenance	100	-	-59.20	-82.25	-104.33
Birmingham, AL	Ozone	Maintenance	100	-	-1.77	-2.46	-4.64

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.77	-2.47	-4.65
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.53	-0.74	-1.41
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.53	-0.74	-1.41
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Boston, MA	CO	Maintenance	100	-	-1.42	-1.98	-3.78
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-8.45	-11.76	-22.46
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.07	-1.48	-2.83
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-1.93	-2.68	-5.13
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.25	-4.52	-6.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.25	-4.52	-6.17
Case County, MI	Ozone	Maintenance	100	-	-0.07	-0.10	-0.19
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Charleston, WV	Ozone	Maintenance	100	-	-0.47	-0.66	-1.25
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.47	-0.66	-1.25
Charlotte, NC	CO	Maintenance	100	-	-1.20	-1.66	-3.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-2.69	-3.74	-7.15
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.91	-1.27	-2.43
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.83	-1.16	-2.21
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-282.02	-391.84	-506.95
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-282.42	-392.39	-508.01
Chico, CA	CO	Maintenance	100	-	-0.17	-0.24	-0.45
Chico, CA	Ozone	Former Subpart 1	50	-	-0.39	-0.55	-1.05
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.26	-4.54	-8.68

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.17	-4.41	-8.43
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Clark County, NV	PM ₁₀	Serious	70	-	-2.39	-3.33	-6.37
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.42	-0.59	-1.13
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.30	-0.42	-0.80
Cleveland, OH	CO	Maintenance	100	-	-1.60	-2.23	-4.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-4.31	-6.00	-11.46
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-3.98	-5.54	-10.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.00	-1.40	-2.67
Colbert County, AL	SO _x	Maintenance	100	-	-0.10	-0.14	-0.27
Colorado Springs, CO	CO	Maintenance	100	-	-0.95	-1.33	-2.54
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.08	-1.50	-2.87
Columbus, OH	Ozone	Maintenance	100	-	-2.73	-3.80	-7.26
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.53	-3.52	-6.73
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.60	-2.23	-4.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.30	-1.81	-3.47
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-11.25	-15.66	-29.91
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.41	-1.96	-3.74
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.25	-1.73	-3.31
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-35.01	-48.65	-65.98
Denver-Boulder, CO	CO	Maintenance	100	-	-34.80	-48.36	-65.42
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-36.00	-50.03	-68.62
Detroit, MI	CO	Maintenance	100	-	-12.70	-17.65	-24.79
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-21.29	-29.60	-44.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-21.15	-29.41	-44.01

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.06	-0.08	-0.16
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.16
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.06	-0.12
Duluth, MN	CO	Maintenance	100	-	-0.14	-0.19	-0.37
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-70.37	-97.77	-124.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.84	-12.28	-16.28
El Paso, TX	CO	Maintenance	100	-	-0.05	-0.07	-0.14
Erie, PA	Ozone	Maintenance	100	-	-0.38	-0.53	-1.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.38	-0.53	-1.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.36	-0.50	-0.96
Evansville, IN	Ozone	Maintenance	100	-	-0.42	-0.59	-1.12
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.54	-0.76	-1.45
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.07
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.49	-0.68	-1.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Flint, MI	Ozone	Maintenance	100	-	-0.87	-1.21	-2.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.28	-0.39	-0.75
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.60	-0.84	-1.61
Franklin County, PA	Ozone	Maintenance	100	-	-0.25	-0.35	-0.67
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.22	-0.30	-0.57
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.66	-0.92	-1.77

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.07
Fresno, CA	CO	Maintenance	100	-	-0.95	-1.33	-2.53
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.33	-1.85	-3.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.18
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.14
Great Falls, MT	CO	Maintenance	100	-	-0.03	-0.05	-0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	-2.75	-3.83	-7.31
Greeley, CO	CO	Maintenance	100	-	-0.20	-0.28	-0.53
Green Bay, WI	SO _x	Maintenance	100	-	-0.20	-0.28	-0.54
Greene County, IN	Ozone	Maintenance	100	-	-0.08	-0.11	-0.21
Greene County, PA	Ozone	Maintenance	100	-	-0.08	-0.11	-0.20
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-2.70	-3.76	-7.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.34	-1.87	-3.57
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.51	-2.10	-4.00
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.05	-0.10
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.19	-0.26	-0.51
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.40	-1.95	-3.73
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.29	-1.80	-3.44
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-1.79	-2.49	-4.75
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.02	-0.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.17
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Hazelwood, PA	SO _x	Maintenance	100	-	-0.07	-0.09	-0.18
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.30	-0.42	-0.80
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.49	-0.68	-1.31
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-130.31	-181.07	-237.71
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.18	-9.98	-13.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.95	-9.66	-12.49
Huron County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.13
Imperial County, CA	Ozone	Moderate	50	-	-0.35	-0.49	-0.93
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.34	-0.48	-0.91
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.15
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-3.29	-4.58	-8.74
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-2.60	-3.62	-6.92
Jackson County, IN	Ozone	Maintenance	100	-	-0.13	-0.18	-0.35
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.26	-0.36	-0.69
Jefferson County, NY	Ozone	Moderate	50	-	-0.21	-0.29	-0.55
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.36	-0.51	-0.97
Johnstown, PA	Ozone	Maintenance	100	-	-0.18	-0.24	-0.47
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.19	-0.27	-0.51
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.84	-1.17	-2.24
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.13
Kansas City, MO-KS	Ozone	Maintenance	100	-	-2.73	-3.80	-7.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.23	-0.33	-0.62
Kent, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.14	-0.19	-0.37
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.11
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Klamath Falls, OR	CO	Maintenance	100	-	-0.08	-0.12	-0.22

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.22
Knoxville, TN	Ozone	Former Subpart 1	50	-	-1.92	-2.68	-5.12
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.50	-2.09	-3.98
La Porte County, IN	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Lake County, IN	SO _x	Maintenance	100	-	-0.51	-0.71	-1.37
Lake County, OH	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.04	-0.06	-0.12
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.10	-0.13	-0.25
Lake Tahoe, NV	CO	Maintenance	100	-	-0.03	-0.05	-0.09
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.74	-1.03	-1.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.74	-1.03	-1.98
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.79	-1.10	-2.10
LaPorte, IN	Ozone	Maintenance	100	-	-0.16	-0.23	-0.44
Las Vegas, NV	CO	Serious	100	-	-2.39	-3.33	-6.37
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.43	-3.39	-6.47
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.15	-0.21	-0.39
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.06
Lima, OH	Ozone	Maintenance	100	-	-44.37	-61.65	-78.29
Longmont, CO	CO	Maintenance	100	-	-0.15	-0.20	-0.39
Lorain County, OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.20

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-119.09	-165.52	-232.00
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-119.09	-165.52	-232.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-119.09	-165.52	-232.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-119.09	-165.52	-232.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-119.09	-165.52	-232.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.12	-1.56	-2.98
Louisville, KY-IN	Ozone	Maintenance	100	-	-1.89	-2.63	-5.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-1.83	-2.55	-4.87
Lowell, MA	CO	Maintenance	100	-	-0.19	-0.26	-0.50
Lucas County, OH	SO _x	Maintenance	100	-	-0.51	-0.70	-1.34
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.28
Macon, GA	Ozone	Maintenance	100	-	-0.36	-0.50	-0.95
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.35	-0.49	-0.94
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.01
Madison, WI	SO _x	Maintenance	100	-	-0.39	-0.55	-1.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Manchester, NH	CO	Maintenance	100	-	-0.13	-0.18	-0.35
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.17	-0.24	-0.45
Marion County, IN	SO _x	Maintenance	100	-	-0.53	-0.73	-1.40
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.18	-0.25	-0.47
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.53	-0.74	-1.41
Mason County, MI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.12
Medford, OR	CO	Maintenance	100	-	-0.12	-0.17	-0.33
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.30	-0.41	-0.79
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.31	-4.61	-7.35
Memphis, TN	CO	Maintenance	100	-	-3.18	-4.42	-6.98
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Milwaukee, WI	SO _x	Maintenance	100	-	-0.89	-1.24	-2.37
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-2.94	-4.09	-7.82
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-13.51	-18.78	-28.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-4.60	-6.40	-12.23
Missoula, MT	CO	Maintenance	100	-	-0.10	-0.14	-0.27
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.26
Modesto, CA	CO	Maintenance	100	-	-0.49	-0.68	-1.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.16	-0.23	-0.44
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Morristown, NJ	CO	Maintenance	100	-	-0.05	-0.07	-0.14
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13
Muncie, IN	Ozone	Maintenance	100	-	-0.20	-0.28	-0.53
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.03	-0.07
Muskegon, MI	Ozone	Maintenance	100	-	-0.21	-0.30	-0.57
Nashua, NH	CO	Maintenance	100	-	-0.10	-0.14	-0.28
Nashville, TN	Ozone	Former Subpart 1	50	-	-2.67	-3.72	-7.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.22	-0.30	-0.57
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.23	-0.31	-0.60
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.32	-1.83	-3.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-0.77	-1.08	-2.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-20.92	-29.11	-48.57
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-34.16	-47.54	-82.31
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-33.96	-47.25	-81.76
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.18

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**Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-20.72	-28.79	-38.83
Ogden, UT	CO	Maintenance	100	-	-0.12	-0.16	-0.31
Ogden, UT	PM ₁₀	Moderate	100	-	-0.12	-0.16	-0.31
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.09
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.17	-0.24	-0.46
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.24	-0.34	-0.65
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.25	-0.34	-0.65
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.17	-0.23	-0.45
Perth Amboy, NJ	CO	Maintenance	100	-	-1.77	-2.46	-3.23
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.66	-0.93	-1.77
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-74.09	-102.95	-137.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-77.54	-107.75	-146.26
Phoenix, AZ	CO	Maintenance	100	-	-7.26	-10.11	-19.31
Phoenix, AZ	PM ₁₀	Serious	70	-	-7.49	-10.43	-19.92
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-7.52	-10.47	-19.99
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.05	-0.10
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.41	-4.74	-9.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.12	-4.34	-8.25
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.05	-0.09
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Portland, ME	Ozone	Maintenance	100	-	-0.93	-1.29	-2.47

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.10	-2.93	-5.43
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.20
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.19	-3.05	-5.83
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Providence (entire State), RI	Ozone	Moderate	50	-	-1.62	-2.25	-4.31
Provo, UT	CO	Maintenance	100	-	-0.26	-0.36	-0.69
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.11	-2.94	-5.61
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-2.88	-4.01	-7.66
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.55	-0.77	-1.47
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.55	-0.77	-1.47
Reno, NV	CO	Maintenance	100	-	-0.40	-0.56	-1.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.03	-2.83	-5.41
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.11	-0.21
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.00	-1.40	-2.67
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.44	-0.61	-1.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.13	-0.18	-0.35
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.23	-3.10	-5.92
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.31	-0.43	-0.83
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.20	-0.28	-0.53
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.36	-3.29	-6.28
Sacramento Metro, CA	Ozone	Severe	25	-	-4.21	-5.86	-11.20
Sacramento, CA	CO	Maintenance	100	-	-2.63	-3.66	-6.98
Salem, OR	CO	Maintenance	100	-	-0.22	-0.30	-0.58
Salt Lake City, UT	CO	Maintenance	100	-	-1.68	-2.33	-3.26

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.02	-4.20	-6.83
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.69	-2.35	-4.50
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.04	-4.23	-8.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.69	-0.97	-1.85
San Diego, CA	CO	Maintenance	100	-	-6.62	-9.22	-17.61
San Diego, CA	Ozone	Former Subpart 1	50	-	-6.63	-9.23	-17.64
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-274.88	-381.91	-493.26
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-276.28	-383.86	-496.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-9.99	-13.90	-24.07
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-10.02	-13.94	-24.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-9.99	-13.90	-24.07
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.11	-1.55	-2.96
Seattle-Tacoma, WA	CO	Maintenance	100	-	-4.87	-6.78	-12.95
Sheboygan, WI	Ozone	Moderate	50	-	-0.20	-0.27	-0.52
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.08
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.75	-1.05	-2.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.30	-0.42	-0.80
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.48	-0.67	-1.29
Spokane, WA	CO	Maintenance	100	-	-0.48	-0.67	-1.28
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.48	-2.07	-3.95
Springfield, MA	CO	Maintenance	100	-	-0.24	-0.33	-0.63
St. Louis, MO	CO	Maintenance	100	-	-1.58	-2.20	-4.20
St. Louis, MO-IL	Ozone	Moderate	50	-	-230.95	-320.88	-411.08
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-230.92	-320.83	-411.00

Appendix B

Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.28	-0.39	-0.74
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.19
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.10	-2.92	-3.85
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.10	-2.92	-3.85
Stockton, CA	CO	Maintenance	100	-	-0.74	-1.02	-1.96
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.86	-1.20	-2.29
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.22	-0.31	-0.60
Tioga County, PA	Ozone	Maintenance	100	-	-0.10	-0.13	-0.25
Toledo, OH	Ozone	Maintenance	100	-	-13.41	-18.63	-24.44
Toms River, NJ	CO	Maintenance	100	-	-0.16	-0.22	-0.42
Tooele County, UT	SO _x	Nonattainment	100	-	-0.17	-0.23	-0.44
Trenton, NJ	CO	Maintenance	100	-	-0.15	-0.20	-0.39
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Tucson, AZ	CO	Maintenance	100	-	-1.61	-2.24	-4.28
Utah County, UT	PM ₁₀	Moderate	100	-	-0.79	-1.09	-2.09
Vancouver, WA	CO	Maintenance	100	-	-0.50	-0.69	-1.32
Ventura County, CA	Ozone	Serious	50	-	-1.47	-2.05	-3.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Vigo County, IN	SO _x	Maintenance	100	-	-0.22	-0.31	-0.60
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.09	-0.13	-0.25
Warren County, NJ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.35	-0.49	-0.94
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.59	-3.60	-6.88

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Table B.1-57
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-8.78	-12.22	-23.34
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-8.60	-11.97	-22.86
Washoe County, NV	PM ₁₀	Serious	70	-	-0.40	-0.56	-1.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.12	-0.17	-0.33
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.50	-6.26	-8.04
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Weirton, WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.26	-0.36	-0.68
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.26	-0.36	-0.68
Winston-Salem, NC	CO	Maintenance	100	-	-0.68	-0.94	-1.80
Worcester, MA	CO	Maintenance	100	-	-0.35	-0.49	-0.94
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.15	-0.21	-0.41
Yakima, WA	CO	Maintenance	100	-	-0.06	-0.09	-0.16
York, PA	Ozone	Maintenance	100	-	-0.73	-1.01	-1.94
York, PA	PM _{2.5}	Nonattainment	100	-	-0.57	-0.79	-1.51
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.09	-1.51	-2.89
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.30	-0.41	-0.79

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.53	-7.10	-12.65
Albuquerque, NM	CO	Maintenance	100	-	-2.09	-3.27	-5.83
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.52	-0.81	-1.44
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.10	-3.30	-5.87
Altoona, PA	Ozone	Maintenance	100	-	-0.39	-0.61	-0.99
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.59	-0.92	-1.65
Anchorage, AK	CO	Maintenance	100	-	-0.50	-0.79	-1.41
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.07
Atlanta, GA	Ozone	Moderate	50	-	-23.75	-37.23	-66.29
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-23.77	-37.25	-66.33
Atlantic City, NJ	CO	Maintenance	100	-	-0.18	-0.29	-0.51
Bakersfield, CA	CO	Maintenance	100	-	-7.26	-11.39	-1.12
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.06	-0.10
Baltimore, MD	Ozone	Moderate	50	-	-10.60	-16.62	-29.59
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-10.60	-16.62	-29.59
Baton Rouge, LA	Ozone	Moderate	50	-	-63.97	-100.39	28.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-855.25	-1,342.10	483.65
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.64	-1.00	-1.78
Benzie County, MI	Ozone	Maintenance	100	-	-0.08	-0.13	-0.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.52	-0.82	-1.45
Billings, MT	CO	Maintenance	100	-	-121.54	-190.73	68.54
Birmingham, AL	Ozone	Maintenance	100	-	-3.73	-5.85	-9.95

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.74	-5.86	-9.99
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.15	-1.81	-3.22
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.15	-1.81	-3.22
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.17
Boston, MA	CO	Maintenance	100	-	-3.02	-4.74	-8.44
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-18.10	-28.37	-50.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.31	-3.61	-6.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.05	-0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.09	-6.41	-11.41
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.08
Butte, MT	PM ₁₀	Moderate	100	-	-0.07	-0.12	-0.21
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	-6.71	-10.52	0.33
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-6.71	-10.52	0.33
Case County, MI	Ozone	Maintenance	100	-	-0.15	-0.24	-0.43
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Charleston, WV	Ozone	Maintenance	100	-	-0.98	-1.54	-2.74
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.98	-1.54	-2.74
Charlotte, NC	CO	Maintenance	100	-	-2.61	-4.09	-7.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-5.84	-9.15	-16.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.94	-3.04	-5.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.77	-2.77	-4.91
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-580.18	-910.41	247.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-581.04	-911.75	244.75
Chico, CA	CO	Maintenance	100	-	-0.39	-0.60	-1.08
Chico, CA	Ozone	Former Subpart 1	50	-	-0.89	-1.39	-2.48
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-6.99	-10.95	-19.50

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-6.78	-10.63	-18.93
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Clark County, NV	PM ₁₀	Serious	70	-	-5.33	-8.35	-14.87
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.92	-1.44	-2.57
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.64	-1.00	-1.78
Cleveland, OH	CO	Maintenance	100	-	-3.31	-5.19	-9.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-9.12	-14.29	-25.45
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-8.41	-13.18	-23.47
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.27	-3.56	-6.34
Colbert County, AL	SO _x	Maintenance	100	-	-0.21	-0.33	-0.59
Colorado Springs, CO	CO	Maintenance	100	-	-2.10	-3.29	-5.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.31	-3.62	-6.44
Columbus, OH	Ozone	Maintenance	100	-	-5.96	-9.34	-16.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-5.53	-8.67	-15.43
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.31	-5.19	-9.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	-2.71	-4.25	-7.56
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-24.73	-38.77	-69.03
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-2.96	-4.64	-8.26
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.62	-4.10	-7.30
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-72.52	-113.79	5.82
Denver-Boulder, CO	CO	Maintenance	100	-	-72.06	-113.07	7.11
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-74.70	-117.20	-0.25
Detroit, MI	CO	Maintenance	100	-	-26.01	-40.80	-4.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-44.35	-69.56	-29.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-44.04	-69.08	-28.96

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.13	-0.20	-0.36
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.13	-0.20	-0.35
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.10	-0.16	-0.28
Duluth, MN	CO	Maintenance	100	-	-0.29	-0.45	-0.80
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.08
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-144.49	-226.73	80.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-18.23	-28.61	4.62
El Paso, TX	CO	Maintenance	100	-	-0.11	-0.17	-0.31
Erie, PA	Ozone	Maintenance	100	-	-0.81	-1.26	-2.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.82	-1.28	-2.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.78	-1.22	-2.18
Evansville, IN	Ozone	Maintenance	100	-	-0.90	-1.41	-2.51
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.15	-1.81	-3.22
Fairbanks, AK	CO	Maintenance	100	-	-0.06	-0.10	-0.17
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.05	-1.64	-2.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Flint, MI	Ozone	Maintenance	100	-	-1.84	-2.88	-5.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.63	-0.98	-1.75
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.29	-2.03	-3.61
Franklin County, PA	Ozone	Maintenance	100	-	-0.54	-0.85	-1.51
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.46	-0.73	-1.29
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.47	-2.31	-4.11

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.17
Fresno, CA	CO	Maintenance	100	-	-2.09	-3.28	-5.84
Grand Rapids, MI	Ozone	Maintenance	100	-	-2.88	-4.51	-8.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.23	-0.40
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.33
Great Falls, MT	CO	Maintenance	100	-	-0.07	-0.11	-0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	-5.82	-9.13	-16.26
Greeley, CO	CO	Maintenance	100	-	-0.44	-0.69	-1.22
Green Bay, WI	SO _x	Maintenance	100	-	-0.44	-0.68	-1.22
Greene County, IN	Ozone	Maintenance	100	-	-0.17	-0.27	-0.48
Greene County, PA	Ozone	Maintenance	100	-	-0.16	-0.25	-0.45
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-5.75	-9.01	-16.05
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-2.84	-4.46	-7.94
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.18	-4.98	-8.87
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.08	-0.13	-0.22
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.41	-0.64	-1.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.03	-4.75	-8.46
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-2.80	-4.39	-7.81
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-3.77	-5.91	-10.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.14	-0.22	-0.39
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.14	-0.22	-0.40
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.63	-0.99	-1.76
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.04	-1.63	-2.90
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-268.55	-421.39	86.28
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-14.77	-23.17	4.83
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-14.27	-22.40	6.20
Huron County, MI	Ozone	Maintenance	100	-	-0.10	-0.16	-0.28
Imperial County, CA	Ozone	Moderate	50	-	-0.78	-1.22	-2.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.76	-1.19	-2.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.12	-0.19	-0.33
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-7.10	-11.14	-19.83
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-5.63	-8.83	-15.72
Jackson County, IN	Ozone	Maintenance	100	-	-0.28	-0.44	-0.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.55	-0.86	-1.53
Jefferson County, NY	Ozone	Moderate	50	-	-0.44	-0.69	-1.22
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.77	-1.20	-2.14
Johnstown, PA	Ozone	Maintenance	100	-	-0.36	-0.56	-1.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.39	-0.61	-1.09
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.79	-2.80	-4.99
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.29
Kansas City, MO-KS	Ozone	Maintenance	100	-	-5.91	-9.26	-16.49
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.51	-0.80	-1.42
Kent, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.25
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.29	-0.46	-0.82
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.09	-0.14	-0.24
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Klamath Falls, OR	CO	Maintenance	100	-	-0.17	-0.27	-0.49

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.17	-0.27	-0.49
Knoxville, TN	Ozone	Former Subpart 1	50	-	-4.21	-6.61	-11.76
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.26	-5.11	-9.10
La Porte County, IN	SO _x	Maintenance	100	-	-0.12	-0.19	-0.34
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.15
Lake County, IN	SO _x	Maintenance	100	-	-1.08	-1.69	-3.01
Lake County, OH	SO _x	Maintenance	100	-	-0.13	-0.20	-0.35
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.10	-0.16	-0.29
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.22	-0.35	-0.62
Lake Tahoe, NV	CO	Maintenance	100	-	-0.07	-0.11	-0.20
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-1.60	-2.50	-4.46
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.60	-2.50	-4.46
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.69	-2.65	-4.71
LaPorte, IN	Ozone	Maintenance	100	-	-0.34	-0.54	-0.96
Las Vegas, NV	CO	Serious	100	-	-5.33	-8.35	-14.87
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-5.41	-8.48	-15.09
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.31	-0.49	-0.87
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.14
Lima, OH	Ozone	Maintenance	100	-	-91.10	-142.97	50.73
Longmont, CO	CO	Maintenance	100	-	-0.32	-0.51	-0.90
Lorain County, OH	SO _x	Maintenance	100	-	-0.16	-0.25	-0.45

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-247.58	-388.41	-40.60
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-247.58	-388.41	-40.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-247.58	-388.41	-40.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-247.58	-388.41	-40.61
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-247.57	-388.40	-40.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.45	-3.84	-6.84
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.00	-6.26	-11.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-3.87	-6.06	-10.79
Lowell, MA	CO	Maintenance	100	-	-0.40	-0.63	-1.12
Lucas County, OH	SO _x	Maintenance	100	-	-1.06	-1.66	-2.95
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.22	-0.34	-0.61
Macon, GA	Ozone	Maintenance	100	-	-0.74	-1.16	-2.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.73	-1.15	-2.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.87	-1.36	-2.43
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Manchester, NH	CO	Maintenance	100	-	-0.27	-0.43	-0.76
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.36	-0.56	-1.00
Marion County, IN	SO _x	Maintenance	100	-	-1.11	-1.74	-3.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.40	-0.63	-1.12
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.13	-1.77	-3.15
Mason County, MI	Ozone	Maintenance	100	-	-0.09	-0.15	-0.26
Medford, OR	CO	Maintenance	100	-	-0.28	-0.43	-0.77
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.66	-1.03	-1.84
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.88	-10.79	-7.95
Memphis, TN	CO	Maintenance	100	-	-6.60	-10.35	-7.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.10	-0.16	-0.29

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-1.87	-2.93	-5.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-6.31	-9.89	-17.60
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-28.24	-44.30	-18.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-9.93	-15.57	-27.72
Missoula, MT	CO	Maintenance	100	-	-0.22	-0.34	-0.61
Missoula, MT	PM ₁₀	Moderate	100	-	-0.21	-0.33	-0.59
Modesto, CA	CO	Maintenance	100	-	-1.10	-1.72	-3.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.37	-0.58	-1.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Morristown, NJ	CO	Maintenance	100	-	-0.12	-0.18	-0.32
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.10	-0.16	-0.29
Muncie, IN	Ozone	Maintenance	100	-	-0.41	-0.64	-1.14
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.02	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.05	-0.08	-0.15
Muskegon, MI	Ozone	Maintenance	100	-	-0.46	-0.72	-1.28
Nashua, NH	CO	Maintenance	100	-	-0.22	-0.34	-0.61
Nashville, TN	Ozone	Former Subpart 1	50	-	-5.80	-9.10	-16.20
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.50	-0.78	-1.40
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.49	-0.77	-1.38
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-2.78	-4.36	-7.77
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
New York County, NY	PM ₁₀	Moderate	100	-	-1.62	-2.53	-4.51
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-43.85	-68.76	-68.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-72.14	-113.11	-135.72
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-71.69	-112.41	-134.48
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.14	-0.23	-0.40

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Table B.1-58
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Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-42.73	-67.05	5.68
Ogden, UT	CO	Maintenance	100	-	-0.25	-0.39	-0.69
Ogden, UT	PM ₁₀	Moderate	100	-	-0.25	-0.39	-0.69
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.38	-0.60	-1.06
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.51	-0.80	-1.43
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.52	-0.81	-1.44
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.19
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.35	-0.55	-0.99
Perth Amboy, NJ	CO	Maintenance	100	-	-3.65	-5.73	1.15
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.38	-2.16	-3.85
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-152.62	-239.47	34.33
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-159.99	-251.02	13.76
Phoenix, AZ	CO	Maintenance	100	-	-16.70	-26.18	-46.61
Phoenix, AZ	PM ₁₀	Serious	70	-	-17.21	-26.97	-48.03
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-17.27	-27.07	-48.19
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.08	-0.13	-0.23
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-7.18	-11.26	-19.74
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-6.57	-10.30	-18.03
Polk County, TN	SO _x	Maintenance	100	-	-0.07	-0.12	-0.21
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Portland, ME	Ozone	Maintenance	100	-	-1.99	-3.12	-5.55

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-4.46	-6.99	-11.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.16	-0.24	-0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	-4.84	-7.59	-13.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Providence (entire State), RI	Ozone	Moderate	50	-	-3.49	-5.46	-9.73
Provo, UT	CO	Maintenance	100	-	-0.58	-0.90	-1.61
Raleigh-Durham, NC	CO	Maintenance	100	-	-4.62	-7.25	-12.90
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-6.30	-9.88	-17.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-1.18	-1.85	-3.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.18	-1.85	-3.29
Reno, NV	CO	Maintenance	100	-	-0.87	-1.36	-2.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-4.34	-6.80	-12.10
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.17	-0.27	-0.48
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.27	-3.56	-6.34
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.93	-1.45	-2.59
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.28	-0.45	-0.79
Rochester, NY	Ozone	Former Subpart 1	50	-	-4.74	-7.43	-13.22
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.66	-1.03	-1.84
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.43	-0.67	-1.19
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.30	-8.31	-14.80
Sacramento Metro, CA	Ozone	Severe	25	-	-9.53	-14.94	-26.61
Sacramento, CA	CO	Maintenance	100	-	-5.92	-9.27	-16.51
Salem, OR	CO	Maintenance	100	-	-0.46	-0.73	-1.30
Salt Lake City, UT	CO	Maintenance	100	-	-3.48	-5.46	-0.54

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.37	-10.00	-8.62
Salt Lake County, UT	SO _x	Nonattainment	100	-	-3.65	-5.72	-10.18
San Antonio, TX	Ozone	Former Subpart 1	50	-	-6.59	-10.32	-18.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.52	-2.39	-4.25
San Diego, CA	CO	Maintenance	100	-	-14.73	-23.08	-41.10
San Diego, CA	Ozone	Former Subpart 1	50	-	-14.75	-23.12	-41.18
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-565.72	-887.72	246.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-568.74	-892.45	238.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	-21.82	-34.21	-41.75
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-21.89	-34.31	-41.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-21.82	-34.21	-41.75
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.12	-0.19	-0.33
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.37	-3.71	-6.61
Seattle-Tacoma, WA	CO	Maintenance	100	-	-10.59	-16.59	-29.55
Sheboygan, WI	Ozone	Moderate	50	-	-0.42	-0.66	-1.17
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.17
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.60	-2.51	-4.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.62	-0.97	-1.72
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.05	-1.65	-2.94
Spokane, WA	CO	Maintenance	100	-	-1.04	-1.63	-2.91
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.16	-4.95	-8.82
Springfield, MA	CO	Maintenance	100	-	-0.51	-0.80	-1.42
St. Louis, MO	CO	Maintenance	100	-	-3.24	-5.08	-9.05
St. Louis, MO-IL	Ozone	Moderate	50	-	-474.40	-744.44	235.69
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-474.33	-744.33	235.89

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Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.60	-0.95	-1.69
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.18
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.15	-0.24	-0.42
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.32	-6.78	1.32
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.32	-6.78	1.32
Stockton, CA	CO	Maintenance	100	-	-1.65	-2.58	-4.60
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.82	-2.85	-5.07
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.47	-0.73	-1.30
Tioga County, PA	Ozone	Maintenance	100	-	-0.20	-0.31	-0.56
Toledo, OH	Ozone	Maintenance	100	-	-27.57	-43.27	9.22
Toms River, NJ	CO	Maintenance	100	-	-0.35	-0.55	-0.98
Tooele County, UT	SO _x	Nonattainment	100	-	-0.36	-0.56	-1.00
Trenton, NJ	CO	Maintenance	100	-	-0.31	-0.49	-0.87
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Tucson, AZ	CO	Maintenance	100	-	-3.52	-5.52	-9.83
Utah County, UT	PM ₁₀	Moderate	100	-	-1.72	-2.69	-4.79
Vancouver, WA	CO	Maintenance	100	-	-1.10	-1.73	-3.07
Ventura County, CA	Ozone	Serious	50	-	-3.26	-5.11	-8.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.47	-0.73	-1.30
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.20	-0.31	-0.56
Warren County, NJ	SO _x	Maintenance	100	-	-0.13	-0.20	-0.35
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.75	-1.18	-2.10
Washington, DC-MD-VA	CO	Maintenance	100	-	-5.54	-8.69	-15.47

Appendix B

Table B.1-58
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-19.12	-29.97	-53.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-18.72	-29.34	-52.25
Washoe County, NV	PM ₁₀	Serious	70	-	-0.87	-1.36	-2.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.25	-0.40	-0.71
Wayne County, MI	PM ₁₀	Maintenance	100	-	-9.30	-14.60	4.44
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.10
Weirton, WV	SO _x	Maintenance	100	-	-0.04	-0.07	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.53	-0.83	-1.47
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.53	-0.83	-1.47
Winston-Salem, NC	CO	Maintenance	100	-	-1.45	-2.28	-4.06
Worcester, MA	CO	Maintenance	100	-	-0.77	-1.21	-2.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.33	-0.52	-0.92
Yakima, WA	CO	Maintenance	100	-	-0.14	-0.21	-0.38
York, PA	Ozone	Maintenance	100	-	-1.58	-2.47	-4.40
York, PA	PM _{2.5}	Nonattainment	100	-	-1.23	-1.92	-3.42
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.26	-3.54	-6.31
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.66	-1.03	-1.84

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.04	-0.06	-0.10
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-10.59	-17.68	-31.09
Albuquerque, NM	CO	Maintenance	100	-	-4.82	-8.04	-14.14
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.28	-2.14	-3.76
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-4.89	-8.16	-14.35
Altoona, PA	Ozone	Maintenance	100	-	-0.85	-1.41	-2.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.67	-2.78	-4.89
Anchorage, AK	CO	Maintenance	100	-	-1.25	-2.09	-3.67
Anthony, NM	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.18
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.07	-0.12
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Atlanta, GA	Ozone	Moderate	50	-	-57.90	-96.68	-169.97
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-57.92	-96.72	-170.04
Atlantic City, NJ	CO	Maintenance	100	-	-0.41	-0.68	-1.20
Bakersfield, CA	CO	Maintenance	100	-	-16.33	-27.43	33.98
Baltimore, MD	CO	Maintenance	100	-	-0.08	-0.13	-0.23
Baltimore, MD	Ozone	Moderate	50	-	-25.34	-42.32	-74.41
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-25.34	-42.32	-74.40
Baton Rouge, LA	Ozone	Moderate	50	-	-140.32	-236.13	471.98
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,871.15	-3,149.85	6,790.19
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.35	-2.25	-3.96
Benzie County, MI	Ozone	Maintenance	100	-	-0.21	-0.35	-0.62
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.25	-2.09	-3.67
Billings, MT	CO	Maintenance	100	-	-265.94	-447.68	964.09
Birmingham, AL	Ozone	Maintenance	100	-	-8.35	-13.95	-22.58

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-8.38	-14.00	-22.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-2.80	-4.67	-8.21
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-2.80	-4.67	-8.21
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.15	-0.26	-0.45
Boston, MA	CO	Maintenance	100	-	-6.90	-11.52	-20.26
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-42.20	-70.46	-123.87
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.52	-9.22	-16.20
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.07	-0.12	-0.22
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-9.24	-15.43	-27.13
Burlington, NJ	CO	Maintenance	100	-	-0.06	-0.09	-0.16
Butte, MT	PM ₁₀	Moderate	100	-	-0.15	-0.25	-0.45
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.18	-0.29	-0.52
Canton-Massillon, OH	Ozone	Maintenance	100	-	-14.69	-24.70	38.35
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-14.69	-24.70	38.35
Case County, MI	Ozone	Maintenance	100	-	-0.35	-0.58	-1.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.05	-0.08	-0.13
Charleston, WV	Ozone	Maintenance	100	-	-2.09	-3.49	-6.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.09	-3.49	-6.14
Charlotte, NC	CO	Maintenance	100	-	-6.41	-10.71	-18.83
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-14.16	-23.64	-41.57
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-4.38	-7.32	-12.81
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-4.03	-6.73	-11.76
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,274.00	-2,143.85	4,246.20
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,276.02	-2,147.22	4,240.28
Chico, CA	CO	Maintenance	100	-	-1.07	-1.79	-3.15
Chico, CA	Ozone	Former Subpart 1	50	-	-2.35	-3.93	-6.91
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-16.26	-27.16	-47.75

Appendix B

**Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-15.76	-26.32	-46.27
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.29
Clark County, NV	PM ₁₀	Serious	70	-	-13.73	-22.93	-40.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.23	-3.72	-6.54
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.44	-2.41	-4.23
Cleveland, OH	CO	Maintenance	100	-	-6.97	-11.64	-20.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-20.49	-34.22	-60.17
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-18.82	-31.42	-55.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	-6.10	-10.19	-17.91
Colbert County, AL	SO _x	Maintenance	100	-	-0.44	-0.74	-1.30
Colorado Springs, CO	CO	Maintenance	100	-	-5.23	-8.73	-15.36
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.15
Columbia, SC	Ozone	Former Subpart 1	50	-	-5.36	-8.96	-15.74
Columbus, OH	Ozone	Maintenance	100	-	-14.63	-24.43	-42.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-13.60	-22.71	-39.93
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-6.97	-11.64	-20.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	-5.80	-9.68	-17.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-61.85	-103.28	-181.57
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-6.53	-10.90	-19.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-5.75	-9.60	-16.89
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-161.63	-271.74	416.52
Denver-Boulder, CO	CO	Maintenance	100	-	-160.49	-269.83	419.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-167.03	-280.75	400.68
Detroit, MI	CO	Maintenance	100	-	-54.79	-92.08	121.57
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-98.99	-166.13	111.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-98.28	-164.95	113.54

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-0.53	-0.93
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.28	-0.47	-0.83
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.23	-0.38	-0.67
Duluth, MN	CO	Maintenance	100	-	-0.63	-1.05	-1.84
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.08	-0.13	-0.23
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-316.12	-532.14	1,140.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-40.23	-67.67	119.43
El Paso, TX	CO	Maintenance	100	-	-0.25	-0.43	-0.75
Erie, PA	Ozone	Maintenance	100	-	-1.79	-2.99	-5.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.94	-3.24	-5.70
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-1.86	-3.11	-5.47
Evansville, IN	Ozone	Maintenance	100	-	-2.05	-3.42	-6.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-2.61	-4.36	-7.66
Fairbanks, AK	CO	Maintenance	100	-	-0.15	-0.26	-0.45
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.42	-4.04	-7.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.19
Flint, MI	Ozone	Maintenance	100	-	-4.14	-6.91	-12.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-1.58	-2.64	-4.64
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-3.00	-5.01	-8.80
Franklin County, PA	Ozone	Maintenance	100	-	-1.28	-2.14	-3.75
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.08	-1.80	-3.16
Fredericksburg, VA	Ozone	Maintenance	100	-	-3.76	-6.28	-11.03

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.16	-0.27	-0.48
Fresno, CA	CO	Maintenance	100	-	-5.18	-8.66	-15.22
Grand Rapids, MI	Ozone	Maintenance	100	-	-6.94	-11.60	-20.39
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.31	-0.51	-0.90
Grant County, NM	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.29	-0.49	-0.87
Great Falls, MT	CO	Maintenance	100	-	-0.14	-0.24	-0.42
Greater Connecticut, CT	Ozone	Moderate	50	-	-13.11	-21.89	-38.49
Greeley, CO	CO	Maintenance	100	-	-1.06	-1.78	-3.12
Green Bay, WI	SO _x	Maintenance	100	-	-1.03	-1.71	-3.01
Greene County, IN	Ozone	Maintenance	100	-	-0.40	-0.66	-1.17
Greene County, PA	Ozone	Maintenance	100	-	-0.36	-0.60	-1.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-13.13	-21.92	-38.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-6.43	-10.73	-18.87
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-7.09	-11.84	-20.81
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.18	-0.30	-0.53
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.95	-1.59	-2.79
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-7.27	-12.15	-21.35
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-6.71	-11.20	-19.69
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-8.38	-13.99	-24.59
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.09	-0.15	-0.26
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.35	-0.59	-1.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.07	-0.12
Hazelwood, PA	SO _x	Maintenance	100	-	-0.32	-0.54	-0.95
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.38	-2.31	-4.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.32	-3.88	-6.82
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-591.68	-995.40	1,839.36
Humphreys County, TN	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-32.30	-54.35	102.16
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-31.18	-52.48	105.45
Huron County, MI	Ozone	Maintenance	100	-	-0.22	-0.37	-0.65
Imperial County, CA	Ozone	Moderate	50	-	-1.99	-3.32	-5.84
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.95	-3.25	-5.72
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.26	-0.44	-0.77
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-16.97	-28.34	-49.82
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-13.48	-22.51	-39.58
Jackson County, IN	Ozone	Maintenance	100	-	-0.63	-1.06	-1.86
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.24	-2.07	-3.64
Jefferson County, NY	Ozone	Moderate	50	-	-1.00	-1.67	-2.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.16
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-1.71	-2.85	-5.01
Johnstown, PA	Ozone	Maintenance	100	-	-0.71	-1.18	-2.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.78	-1.30	-2.29
Juneau, AK	PM ₁₀	Moderate	100	-	-0.10	-0.17	-0.30
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-4.04	-6.75	-11.86
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.26	-0.44	-0.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	-14.16	-23.65	-41.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.23	-2.05	-3.60
Kent, WA	PM ₁₀	Maintenance	100	-	-0.22	-0.38	-0.66
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.67	-1.12	-1.97
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.19	-0.33	-0.57
King County, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.26
Klamath Falls, OR	CO	Maintenance	100	-	-0.39	-0.65	-1.15

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.39	-0.65	-1.15
Knoxville, TN	Ozone	Former Subpart 1	50	-	-10.42	-17.40	-30.59
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-7.95	-13.27	-23.33
La Porte County, IN	SO _x	Maintenance	100	-	-0.26	-0.44	-0.78
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.12	-0.20	-0.36
Lake County, IN	SO _x	Maintenance	100	-	-2.35	-3.93	-6.90
Lake County, OH	SO _x	Maintenance	100	-	-0.28	-0.47	-0.83
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.30	-0.50	-0.87
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.65	-1.09	-1.92
Lake Tahoe, NV	CO	Maintenance	100	-	-0.16	-0.27	-0.48
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.20
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-3.75	-6.26	-11.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.75	-6.26	-11.01
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.89	-6.50	-11.43
LaPorte, IN	Ozone	Maintenance	100	-	-0.74	-1.23	-2.17
Las Vegas, NV	CO	Serious	100	-	-13.73	-22.93	-40.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-13.90	-23.21	-40.81
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.68	-1.14	-2.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.04	-0.07	-0.13
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.10	-0.17	-0.29
Lima, OH	Ozone	Maintenance	100	-	-199.33	-335.54	719.91
Longmont, CO	CO	Maintenance	100	-	-0.83	-1.38	-2.42
Lorain County, OH	SO _x	Maintenance	100	-	-0.38	-0.63	-1.10

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-555.08	-932.64	1,153.35
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-555.08	-932.64	1,153.35
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-555.08	-932.64	1,153.35
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-555.08	-932.65	1,153.35
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-555.08	-932.63	1,153.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-6.03	-10.07	-17.71
Louisville, KY-IN	Ozone	Maintenance	100	-	-9.02	-15.05	-26.47
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-8.64	-14.43	-25.38
Lowell, MA	CO	Maintenance	100	-	-0.97	-1.62	-2.84
Lucas County, OH	SO _x	Maintenance	100	-	-2.29	-3.82	-6.72
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.48	-0.80	-1.40
Macon, GA	Ozone	Maintenance	100	-	-1.59	-2.65	-4.66
Macon, GA	PM _{2.5}	Nonattainment	100	-	-1.57	-2.62	-4.60
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.06
Madison, WI	SO _x	Maintenance	100	-	-2.20	-3.67	-6.45
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.10	-0.17	-0.29
Manchester, NH	CO	Maintenance	100	-	-0.59	-0.98	-1.72
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.80	-1.33	-2.34
Marion County, IN	SO _x	Maintenance	100	-	-2.42	-4.05	-7.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.07	-1.79	-3.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-2.62	-4.37	-7.68
Mason County, MI	Ozone	Maintenance	100	-	-0.22	-0.37	-0.64
Medford, OR	CO	Maintenance	100	-	-0.71	-1.19	-2.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.70	-2.85	-5.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-15.07	-25.26	3.94
Memphis, TN	CO	Maintenance	100	-	-14.48	-24.28	5.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.26	-0.44	-0.77

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.04	-0.07	-0.11
Milwaukee, WI	SO _x	Maintenance	100	-	-4.12	-6.89	-12.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-14.73	-24.60	-43.24
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-63.79	-107.06	72.01
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-23.67	-39.52	-69.48
Missoula, MT	CO	Maintenance	100	-	-0.52	-0.86	-1.52
Missoula, MT	PM ₁₀	Moderate	100	-	-0.50	-0.84	-1.47
Modesto, CA	CO	Maintenance	100	-	-2.88	-4.80	-8.45
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.98	-1.63	-2.86
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Morristown, NJ	CO	Maintenance	100	-	-0.30	-0.50	-0.87
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.22	-0.37	-0.65
Muncie, IN	Ozone	Maintenance	100	-	-0.85	-1.42	-2.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.04	-0.07	-0.12
Muscatine County, IA	SO _x	Maintenance	100	-	-0.13	-0.21	-0.37
Muskegon, MI	Ozone	Maintenance	100	-	-1.07	-1.78	-3.13
Nashua, NH	CO	Maintenance	100	-	-0.47	-0.79	-1.38
Nashville, TN	Ozone	Former Subpart 1	50	-	-14.01	-23.39	-41.13
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.42	-2.38	-4.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.23	-2.06	-3.61
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-6.21	-10.38	-18.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.05	-0.08	-0.13
New York County, NY	PM ₁₀	Moderate	100	-	-3.47	-5.79	-10.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-98.09	-164.27	-55.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-163.90	-274.27	-200.39
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-162.82	-272.48	-197.24
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.35	-0.58	-1.02

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-94.04	-158.13	258.55
Ogden, UT	CO	Maintenance	100	-	-0.56	-0.93	-1.64
Ogden, UT	PM ₁₀	Moderate	100	-	-0.56	-0.93	-1.64
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.16	-0.27	-0.47
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.95	-1.59	-2.80
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.04	-0.06	-0.11
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.14	-1.90	-3.34
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.15	-1.91	-3.36
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.28	-0.50
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.77	-1.29	-2.27
Perth Amboy, NJ	CO	Maintenance	100	-	-8.11	-13.64	24.74
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-2.93	-4.89	-8.60
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-335.17	-563.75	985.56
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-352.22	-592.22	935.51
Phoenix, AZ	CO	Maintenance	100	-	-46.50	-77.66	-136.52
Phoenix, AZ	PM ₁₀	Serious	70	-	-47.78	-79.79	-140.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-47.92	-80.02	-140.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.24
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.22	-0.36	-0.63
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-15.97	-26.68	-45.56
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-14.60	-24.39	-41.54
Polk County, TN	SO _x	Maintenance	100	-	-0.17	-0.28	-0.49
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Portland, ME	Ozone	Maintenance	100	-	-4.60	-7.69	-13.52

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**Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-10.17	-16.99	-24.72
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.35	-0.58	-1.02
Poughkeepsie, NY	Ozone	Moderate	50	-	-12.19	-20.36	-35.80
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.20
Providence (entire State), RI	Ozone	Moderate	50	-	-8.24	-13.76	-24.19
Provo, UT	CO	Maintenance	100	-	-1.46	-2.43	-4.28
Raleigh-Durham, NC	CO	Maintenance	100	-	-11.44	-19.11	-33.60
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-15.55	-25.97	-45.66
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Reading, PA	Ozone	Maintenance	100	-	-2.69	-4.50	-7.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	-2.69	-4.50	-7.90
Reno, NV	CO	Maintenance	100	-	-2.01	-3.35	-5.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-9.97	-16.66	-29.28
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.45	-0.75	-1.33
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-6.10	-10.19	-17.91
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.07	-3.46	-6.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.68	-1.13	-1.99
Rochester, NY	Ozone	Former Subpart 1	50	-	-10.84	-18.10	-31.82
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.46	-2.44	-4.28
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.96	-1.61	-2.83
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	-13.94	-23.28	-40.92
Sacramento Metro, CA	Ozone	Severe	25	-	-25.57	-42.70	-75.06
Sacramento, CA	CO	Maintenance	100	-	-15.67	-26.16	-46.00
Salem, OR	CO	Maintenance	100	-	-1.05	-1.75	-3.07
Salt Lake City, UT	CO	Maintenance	100	-	-7.76	-13.05	16.43

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-14.62	-24.50	-3.70
Salt Lake County, UT	SO _x	Nonattainment	100	-	-8.66	-14.46	-25.42
San Antonio, TX	Ozone	Former Subpart 1	50	-	-15.86	-26.48	-46.50
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.74	-6.25	-10.99
San Diego, CA	CO	Maintenance	100	-	-37.89	-63.27	-111.23
San Diego, CA	Ozone	Former Subpart 1	50	-	-37.96	-63.39	-111.44
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,244.09	-2,093.55	4,159.70
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,251.23	-2,105.48	4,138.74
San Joaquin Valley, CA	Ozone	Extreme	10	-	-54.44	-91.09	-77.93
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-54.57	-91.30	-78.30
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-54.44	-91.09	-77.93
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.30	-0.51	-0.89
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-5.42	-9.05	-15.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	-25.65	-42.84	-75.31
Sheboygan, WI	Ozone	Moderate	50	-	-1.00	-1.66	-2.93
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.17	-0.29	-0.51
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.15	-0.25	-0.43
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-3.66	-6.12	-10.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.21	-2.02	-3.55
Spokane County, WA	PM ₁₀	Maintenance	100	-	-2.54	-4.24	-7.45
Spokane, WA	CO	Maintenance	100	-	-2.51	-4.19	-7.37
Springfield (western MA), MA	Ozone	Moderate	50	-	-7.23	-12.07	-21.23
Springfield, MA	CO	Maintenance	100	-	-1.21	-2.01	-3.54
St. Louis, MO	CO	Maintenance	100	-	-6.66	-11.11	-19.54
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,038.18	-1,747.36	3,626.29
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,038.02	-1,747.10	3,626.74

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Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.47	-2.45	-4.31
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.18	-0.30	-0.52
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.32	-0.53	-0.94
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-9.42	-15.85	29.58
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-9.42	-15.85	29.58
Stockton, CA	CO	Maintenance	100	-	-4.35	-7.26	-12.76
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-4.03	-6.74	-11.85
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-0.98	-1.63	-2.86
Tioga County, PA	Ozone	Maintenance	100	-	-0.43	-0.72	-1.26
Toledo, OH	Ozone	Maintenance	100	-	-60.38	-101.58	191.51
Toms River, NJ	CO	Maintenance	100	-	-0.89	-1.49	-2.62
Tooele County, UT	SO _x	Nonattainment	100	-	-0.85	-1.42	-2.49
Trenton, NJ	CO	Maintenance	100	-	-0.73	-1.22	-2.15
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
Tucson, AZ	CO	Maintenance	100	-	-8.67	-14.48	-25.45
Utah County, UT	PM ₁₀	Moderate	100	-	-4.23	-7.07	-12.42
Vancouver, WA	CO	Maintenance	100	-	-2.82	-4.70	-8.27
Ventura County, CA	Ozone	Serious	50	-	-8.33	-13.93	-20.42
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.05	-0.09	-0.16
Vigo County, IN	SO _x	Maintenance	100	-	-0.98	-1.63	-2.86
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.45	-0.76	-1.33
Warren County, NJ	SO _x	Maintenance	100	-	-0.30	-0.50	-0.87
Warren County, PA	SO _x	Nonattainment	100	-	-0.11	-0.18	-0.31
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-1.71	-2.85	-5.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-13.03	-21.76	-38.26

Appendix B

Table B.1-59
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-46.64	-77.89	-136.93
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-45.61	-76.16	-133.90
Washoe County, NV	PM ₁₀	Serious	70	-	-2.01	-3.35	-5.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.03	-0.05	-0.09
Wayne County, IN	SO _x	Maintenance	100	-	-0.53	-0.88	-1.54
Wayne County, MI	PM ₁₀	Maintenance	100	-	-20.95	-35.26	71.75
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.19
Weirton, WV	SO _x	Maintenance	100	-	-0.09	-0.15	-0.26
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.10	-1.84	-3.23
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.10	-1.84	-3.23
Winston-Salem, NC	CO	Maintenance	100	-	-3.39	-5.67	-9.96
Worcester, MA	CO	Maintenance	100	-	-1.90	-3.17	-5.58
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.78	-1.30	-2.28
Yakima, WA	CO	Maintenance	100	-	-0.35	-0.58	-1.03
York, PA	Ozone	Maintenance	100	-	-3.76	-6.28	-11.04
York, PA	PM _{2.5}	Nonattainment	100	-	-2.92	-4.87	-8.56
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-4.81	-8.04	-14.13
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.66	-2.77	-4.86

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.13
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.04	-0.08	-0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-13.24	-22.29	-39.53
Albuquerque, NM	CO	Maintenance	100	-	-5.95	-10.02	-17.77
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.68	-2.82	-5.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-6.08	-10.24	-18.16
Altoona, PA	Ozone	Maintenance	100	-	-0.99	-1.66	-2.34
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.39	-4.03	-7.15
Anchorage, AK	CO	Maintenance	100	-	-1.61	-2.71	-4.82
Anthony, NM	PM ₁₀	Moderate	100	-	-0.07	-0.12	-0.22
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.15
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.13	-0.24
Atlanta, GA	Ozone	Moderate	50	-	-74.94	-126.17	-223.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-74.96	-126.21	-223.85
Atlantic City, NJ	CO	Maintenance	100	-	-0.49	-0.82	-1.46
Bakersfield, CA	CO	Maintenance	100	-	-20.71	-35.06	49.17
Baltimore, MD	CO	Maintenance	100	-	-0.10	-0.16	-0.29
Baltimore, MD	Ozone	Moderate	50	-	-32.30	-54.37	-96.44
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-32.30	-54.37	-96.44
Baton Rouge, LA	Ozone	Moderate	50	-	-176.32	-299.01	671.37
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,351.89	-3,989.68	9,623.76
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.53	-2.58	-4.57
Benzie County, MI	Ozone	Maintenance	100	-	-0.29	-0.49	-0.86
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.60	-2.69	-4.77
Billings, MT	CO	Maintenance	100	-	-334.28	-567.06	1,366.38
Birmingham, AL	Ozone	Maintenance	100	-	-10.08	-16.97	-27.47

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-10.11	-17.03	-27.57
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-3.61	-6.07	-10.77
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-3.61	-6.07	-10.77
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.21	-0.35	-0.63
Boston, MA	CO	Maintenance	100	-	-8.49	-14.29	-25.34
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-52.64	-88.63	-157.19
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-7.03	-11.83	-20.99
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.09	-0.15	-0.27
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-11.22	-18.89	-33.51
Burlington, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.14
Butte, MT	PM ₁₀	Moderate	100	-	-0.17	-0.28	-0.50
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.24	-0.41	-0.72
Canton-Massillon, OH	Ozone	Maintenance	100	-	-18.30	-31.01	55.76
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-18.30	-31.01	55.76
Case County, MI	Ozone	Maintenance	100	-	-0.42	-0.71	-1.25
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.05	-0.08	-0.15
Charleston, WV	Ozone	Maintenance	100	-	-2.40	-4.04	-7.17
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.40	-4.04	-7.17
Charlotte, NC	CO	Maintenance	100	-	-8.35	-14.06	-24.94
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-18.25	-30.72	-54.49
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-5.32	-8.96	-15.81
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-4.93	-8.30	-14.64
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,602.03	-2,716.71	6,039.17
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,604.57	-2,720.99	6,031.58
Chico, CA	CO	Maintenance	100	-	-1.55	-2.60	-4.62
Chico, CA	Ozone	Former Subpart 1	50	-	-3.24	-5.45	-9.68
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-20.26	-34.11	-60.51

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-19.61	-33.01	-58.56
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.31
Clark County, NV	PM ₁₀	Serious	70	-	-18.54	-31.22	-55.37
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.87	-4.83	-8.56
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.75	-2.94	-5.22
Cleveland, OH	CO	Maintenance	100	-	-7.89	-13.28	-23.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-24.75	-41.66	-73.90
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-22.63	-38.10	-67.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	-8.49	-14.29	-25.34
Colbert County, AL	SO _x	Maintenance	100	-	-0.50	-0.84	-1.48
Colorado Springs, CO	CO	Maintenance	100	-	-6.90	-11.62	-20.60
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.20
Columbia, SC	Ozone	Former Subpart 1	50	-	-6.72	-11.31	-20.06
Columbus, OH	Ozone	Maintenance	100	-	-19.04	-32.06	-56.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-17.73	-29.86	-52.96
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-7.89	-13.28	-23.55
Cuyahoga County, OH	SO _x	Maintenance	100	-	-6.80	-11.45	-20.30
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-81.66	-137.48	-243.85
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-7.75	-13.04	-23.13
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-6.80	-11.45	-20.31
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-204.48	-346.45	596.90
Denver-Boulder, CO	CO	Maintenance	100	-	-202.97	-343.90	601.42
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-211.56	-358.36	575.78
Detroit, MI	CO	Maintenance	100	-	-74.04	-125.45	216.64
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-123.68	-209.21	175.67
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-122.80	-207.73	178.30

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.41	-0.68	-1.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.34	-0.57	-1.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.28	-0.47	-0.83
Duluth, MN	CO	Maintenance	100	-	-0.74	-1.24	-2.20
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.10	-0.17	-0.31
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-397.26	-673.89	1,616.46
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-50.62	-85.80	170.78
El Paso, TX	CO	Maintenance	100	-	-0.31	-0.52	-0.92
Erie, PA	Ozone	Maintenance	100	-	-2.13	-3.59	-6.37
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.06
Eugene-Springfield, OR	CO	Maintenance	100	-	-2.48	-4.17	-7.40
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.38	-4.01	-7.11
Evansville, IN	Ozone	Maintenance	100	-	-2.50	-4.22	-7.48
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.16	-5.32	-9.44
Fairbanks, AK	CO	Maintenance	100	-	-0.20	-0.34	-0.60
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.00	-5.05	-8.96
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.14	-0.26
Flint, MI	Ozone	Maintenance	100	-	-4.99	-8.41	-14.91
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-2.10	-3.54	-6.28
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-3.72	-6.27	-11.12
Franklin County, PA	Ozone	Maintenance	100	-	-1.62	-2.72	-4.83
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.34	-2.26	-4.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-5.04	-8.49	-15.06

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.23	-0.39	-0.70
Fresno, CA	CO	Maintenance	100	-	-6.75	-11.36	-20.15
Grand Rapids, MI	Ozone	Maintenance	100	-	-8.91	-15.01	-26.62
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.35	-0.58	-1.03
Grant County, NM	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.40	-0.67	-1.18
Great Falls, MT	CO	Maintenance	100	-	-0.15	-0.26	-0.46
Greater Connecticut, CT	Ozone	Moderate	50	-	-15.86	-26.70	-47.35
Greeley, CO	CO	Maintenance	100	-	-1.37	-2.31	-4.10
Green Bay, WI	SO _x	Maintenance	100	-	-1.28	-2.15	-3.81
Greene County, IN	Ozone	Maintenance	100	-	-0.49	-0.83	-1.47
Greene County, PA	Ozone	Maintenance	100	-	-0.43	-0.72	-1.28
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-16.08	-27.07	-48.01
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-7.81	-13.14	-23.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-8.50	-14.31	-25.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.22	-0.37	-0.66
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.18	-1.98	-3.52
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-9.29	-15.64	-27.75
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-8.56	-14.41	-25.56
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-9.99	-16.82	-29.83
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.12	-0.20	-0.36
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.48	-0.80	-1.43
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.05	-0.09	-0.15
Hazelwood, PA	SO _x	Maintenance	100	-	-0.41	-0.69	-1.22
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.63	-2.74	-4.87
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.79	-4.70	-8.34
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-744.68	-1,262.49	2,623.00
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-40.42	-68.53	146.28
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-39.05	-66.22	150.37
Huron County, MI	Ozone	Maintenance	100	-	-0.26	-0.44	-0.79
Imperial County, CA	Ozone	Moderate	50	-	-2.67	-4.49	-7.97
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.62	-4.40	-7.81
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.31	-0.52	-0.93
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-21.61	-36.38	-64.53
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-17.20	-28.96	-51.36
Jackson County, IN	Ozone	Maintenance	100	-	-0.77	-1.29	-2.30
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.50	-2.53	-4.49
Jefferson County, NY	Ozone	Moderate	50	-	-1.22	-2.06	-3.65
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.17
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.04	-3.44	-6.10
Johnstown, PA	Ozone	Maintenance	100	-	-0.75	-1.26	-2.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.82	-1.39	-2.46
Juneau, AK	PM ₁₀	Moderate	100	-	-0.14	-0.24	-0.42
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-4.91	-8.26	-14.65
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.35	-0.58	-1.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	-18.08	-30.44	-53.98
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.57	-2.65	-4.69
Kent, WA	PM ₁₀	Maintenance	100	-	-0.30	-0.51	-0.90
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.82	-1.37	-2.44
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.23	-0.39	-0.70
King County, WA	PM ₁₀	Maintenance	100	-	-0.12	-0.19	-0.35
Klamath Falls, OR	CO	Maintenance	100	-	-0.47	-0.79	-1.40

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.47	-0.79	-1.40
Knoxville, TN	Ozone	Former Subpart 1	50	-	-13.64	-22.96	-40.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-10.28	-17.31	-30.70
La Porte County, IN	SO _x	Maintenance	100	-	-0.31	-0.52	-0.92
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.15	-0.25	-0.45
Lake County, IN	SO _x	Maintenance	100	-	-2.75	-4.63	-8.22
Lake County, OH	SO _x	Maintenance	100	-	-0.34	-0.58	-1.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.17
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.43	-0.73	-1.29
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.98	-1.66	-2.94
Lake Tahoe, NV	CO	Maintenance	100	-	-0.20	-0.33	-0.59
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.25
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-4.71	-7.93	-14.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-4.71	-7.93	-14.06
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.81	-8.09	-14.36
LaPorte, IN	Ozone	Maintenance	100	-	-0.85	-1.43	-2.54
Las Vegas, NV	CO	Serious	100	-	-18.54	-31.22	-55.37
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-18.74	-31.54	-55.95
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.80	-1.35	-2.40
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.10	-0.17	-0.31
Lima, OH	Ozone	Maintenance	100	-	-250.50	-424.94	1,020.62
Longmont, CO	CO	Maintenance	100	-	-1.12	-1.88	-3.34
Lorain County, OH	SO _x	Maintenance	100	-	-0.47	-0.78	-1.39

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-702.58	-1,189.66	1,673.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-702.58	-1,189.66	1,673.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-702.58	-1,189.66	1,673.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-702.58	-1,189.66	1,673.43
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-702.57	-1,189.64	1,673.45
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-7.87	-13.25	-23.51
Louisville, KY-IN	Ozone	Maintenance	100	-	-10.93	-18.39	-32.63
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-10.39	-17.49	-31.02
Lowell, MA	CO	Maintenance	100	-	-1.26	-2.13	-3.78
Lucas County, OH	SO _x	Maintenance	100	-	-2.66	-4.49	-7.96
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.56	-0.94	-1.66
Macon, GA	Ozone	Maintenance	100	-	-1.83	-3.08	-5.46
Macon, GA	PM _{2.5}	Nonattainment	100	-	-1.80	-3.04	-5.38
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.07
Madison, WI	SO _x	Maintenance	100	-	-2.93	-4.94	-8.75
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.15	-0.26	-0.46
Manchester, NH	CO	Maintenance	100	-	-0.65	-1.10	-1.95
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.95	-1.60	-2.84
Marion County, IN	SO _x	Maintenance	100	-	-2.85	-4.80	-8.52
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.49	-2.51	-4.45
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.24	-5.46	-9.69
Mason County, MI	Ozone	Maintenance	100	-	-0.27	-0.46	-0.82
Medford, OR	CO	Maintenance	100	-	-0.96	-1.62	-2.87
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.32	-3.91	-6.93
Memphis, TN-AR	Ozone	Maintenance	100	-	-18.34	-31.00	10.53
Memphis, TN	CO	Maintenance	100	-	-17.68	-29.89	12.50
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.35	-0.59	-1.05

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.04	-0.07	-0.13
Milwaukee, WI	SO _x	Maintenance	100	-	-4.93	-8.31	-14.73
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-18.41	-30.99	-54.96
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-80.55	-136.25	110.85
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-30.08	-50.65	-89.82
Missoula, MT	CO	Maintenance	100	-	-0.65	-1.10	-1.95
Missoula, MT	PM ₁₀	Moderate	100	-	-0.63	-1.06	-1.89
Modesto, CA	CO	Maintenance	100	-	-3.90	-6.56	-11.64
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.35	-2.27	-4.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.09
Morristown, NJ	CO	Maintenance	100	-	-0.41	-0.70	-1.23
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.26	-0.44	-0.78
Muncie, IN	Ozone	Maintenance	100	-	-0.95	-1.59	-2.82
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.06	-0.10	-0.18
Muscatine County, IA	SO _x	Maintenance	100	-	-0.16	-0.27	-0.48
Muskegon, MI	Ozone	Maintenance	100	-	-1.33	-2.24	-3.97
Nashua, NH	CO	Maintenance	100	-	-0.53	-0.90	-1.59
Nashville, TN	Ozone	Former Subpart 1	50	-	-17.99	-30.29	-53.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.05	-3.45	-6.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.67	-2.80	-4.97
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-7.45	-12.54	-22.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.06	-0.09	-0.16
New York County, NY	PM ₁₀	Moderate	100	-	-4.01	-6.75	-11.98
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-120.79	-203.93	-46.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-203.31	-342.97	-226.62
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-201.93	-340.65	-222.50
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.44	-0.74	-1.31

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-117.82	-199.67	372.67
Ogden, UT	CO	Maintenance	100	-	-0.67	-1.13	-2.00
Ogden, UT	PM ₁₀	Moderate	100	-	-0.67	-1.13	-2.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.18	-0.30	-0.53
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.26	-2.12	-3.76
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.06	-0.10	-0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.35	-2.28	-4.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.37	-2.30	-4.08
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.22	-0.37	-0.66
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.91	-1.54	-2.73
Perth Amboy, NJ	CO	Maintenance	100	-	-10.30	-17.46	35.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.34	-5.63	-9.98
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-419.93	-711.81	1,415.12
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-441.06	-747.37	1,352.04
Phoenix, AZ	CO	Maintenance	100	-	-66.16	-111.38	-197.55
Phoenix, AZ	PM ₁₀	Serious	70	-	-67.84	-114.21	-202.58
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-68.01	-114.49	-203.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.27
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.33	-0.55	-0.97
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-19.12	-32.19	-55.27
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-17.48	-29.42	-50.37
Polk County, TN	SO _x	Maintenance	100	-	-0.20	-0.34	-0.61
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Portland, ME	Ozone	Maintenance	100	-	-5.70	-9.60	-17.02

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Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-12.50	-21.05	-30.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.41	-0.70	-1.24
Poughkeepsie, NY	Ozone	Moderate	50	-	-16.19	-27.26	-48.36
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.24
Providence (entire State), RI	Ozone	Moderate	50	-	-10.40	-17.51	-31.05
Provo, UT	CO	Maintenance	100	-	-1.94	-3.26	-5.78
Raleigh-Durham, NC	CO	Maintenance	100	-	-14.99	-25.24	-44.76
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-20.32	-34.21	-60.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Reading, PA	Ozone	Maintenance	100	-	-3.30	-5.55	-9.84
Reading, PA	PM _{2.5}	Nonattainment	100	-	-3.30	-5.55	-9.84
Reno, NV	CO	Maintenance	100	-	-2.49	-4.19	-7.43
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.03	-0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-12.30	-20.71	-36.73
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.62	-1.04	-1.85
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-8.49	-14.29	-25.34
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.48	-4.17	-7.41
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.86	-1.45	-2.56
Rochester, NY	Ozone	Former Subpart 1	50	-	-13.30	-22.39	-39.71
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.74	-2.93	-5.20
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.17	-1.97	-3.50
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.02	-0.04	-0.07
Sacramento County, CA	PM ₁₀	Moderate	100	-	-19.09	-32.13	-57.00
Sacramento Metro, CA	Ozone	Severe	25	-	-35.42	-59.62	-105.76
Sacramento, CA	CO	Maintenance	100	-	-21.48	-36.17	-64.15
Salem, OR	CO	Maintenance	100	-	-1.27	-2.13	-3.78
Salt Lake City, UT	CO	Maintenance	100	-	-9.79	-16.58	23.92

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.47	-31.18	-1.98
Salt Lake County, UT	SO _x	Nonattainment	100	-	-10.97	-18.46	-32.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	-20.32	-34.21	-60.61
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.78	-8.05	-14.28
San Diego, CA	CO	Maintenance	100	-	-51.09	-86.01	-152.56
San Diego, CA	Ozone	Former Subpart 1	50	-	-51.19	-86.18	-152.86
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,566.75	-2,656.88	5,908.35
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,575.68	-2,671.91	5,881.69
San Joaquin Valley, CA	Ozone	Extreme	10	-	-72.78	-122.72	-106.32
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-72.90	-122.93	-106.69
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-72.78	-122.72	-106.32
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.40	-0.68	-1.20
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-6.65	-11.20	-19.86
Seattle-Tacoma, WA	CO	Maintenance	100	-	-33.03	-55.60	-98.62
Sheboygan, WI	Ozone	Moderate	50	-	-1.26	-2.12	-3.77
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.21	-0.35	-0.63
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.19	-0.31	-0.56
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-4.50	-7.57	-13.43
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.20	-2.02	-3.59
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.25	-5.48	-9.71
Spokane, WA	CO	Maintenance	100	-	-3.21	-5.41	-9.60
Springfield (western MA), MA	Ozone	Moderate	50	-	-8.87	-14.94	-26.50
Springfield, MA	CO	Maintenance	100	-	-1.56	-2.63	-4.66
St. Louis, MO	CO	Maintenance	100	-	-7.35	-12.37	-21.95
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,303.47	-2,210.84	5,152.41
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,303.29	-2,210.53	5,152.96

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.90	-3.19	-5.66
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.25	-0.42	-0.74
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.36	-0.61	-1.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-11.75	-19.93	42.48
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-11.75	-19.93	42.48
Stockton, CA	CO	Maintenance	100	-	-6.05	-10.19	-18.08
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-4.82	-8.11	-14.39
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.07
Terre Haute, IN	Ozone	Maintenance	100	-	-1.10	-1.85	-3.28
Tioga County, PA	Ozone	Maintenance	100	-	-0.50	-0.84	-1.49
Toledo, OH	Ozone	Maintenance	100	-	-75.60	-128.19	273.98
Toms River, NJ	CO	Maintenance	100	-	-1.21	-2.04	-3.61
Tooele County, UT	SO _x	Nonattainment	100	-	-1.08	-1.82	-3.22
Trenton, NJ	CO	Maintenance	100	-	-0.92	-1.55	-2.75
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.12
Tucson, AZ	CO	Maintenance	100	-	-11.31	-19.05	-33.78
Utah County, UT	PM ₁₀	Moderate	100	-	-5.52	-9.30	-16.49
Vancouver, WA	CO	Maintenance	100	-	-3.77	-6.34	-11.25
Ventura County, CA	Ozone	Serious	50	-	-11.24	-18.92	-28.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.19
Vigo County, IN	SO _x	Maintenance	100	-	-1.10	-1.85	-3.28
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.56	-0.94	-1.66
Warren County, NJ	SO _x	Maintenance	100	-	-0.37	-0.63	-1.11
Warren County, PA	SO _x	Nonattainment	100	-	-0.12	-0.20	-0.36
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.08	-3.50	-6.21
Washington, DC-MD-VA	CO	Maintenance	100	-	-16.86	-28.39	-50.35

Appendix B

Table B.1-60
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-60.43	-101.73	-180.44
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-59.03	-99.37	-176.26
Washoe County, NV	PM ₁₀	Serious	70	-	-2.49	-4.19	-7.43
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Wayne County, IN	SO _x	Maintenance	100	-	-0.59	-0.99	-1.76
Wayne County, MI	PM ₁₀	Maintenance	100	-	-31.12	-52.77	118.81
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.18
Weirton, WV	SO _x	Maintenance	100	-	-0.09	-0.14	-0.26
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.23	-2.07	-3.67
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.23	-2.07	-3.67
Winston-Salem, NC	CO	Maintenance	100	-	-4.23	-7.13	-12.64
Worcester, MA	CO	Maintenance	100	-	-2.52	-4.24	-7.52
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.97	-1.64	-2.90
Yakima, WA	CO	Maintenance	100	-	-0.48	-0.81	-1.43
York, PA	Ozone	Maintenance	100	-	-4.79	-8.06	-14.30
York, PA	PM _{2.5}	Nonattainment	100	-	-3.70	-6.24	-11.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-5.52	-9.29	-16.48
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.20	-3.70	-6.57

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.20
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.15
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-19.02	-26.37	-53.24
Albuquerque, NM	CO	Maintenance	100	-	-7.70	-10.68	-21.64
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.23	-4.48	-8.98
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-5.80	-8.06	-16.45
Altoona, PA	Ozone	Maintenance	100	-	-2.91	-4.03	-8.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.65	-0.90	-1.92
Anchorage, AK	CO	Maintenance	100	-	-5.07	-7.02	-13.98
Anthony, NM	PM ₁₀	Moderate	100	-	-0.25	-0.35	-0.70
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.23	-0.32	-0.64
Atlanta, GA	Ozone	Moderate	50	-	-92.18	-127.79	-258.40
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-92.32	-127.99	-258.79
Atlantic City, NJ	CO	Maintenance	100	-	-0.33	-0.46	-0.96
Bakersfield, CA	CO	Maintenance	100	-	-11.03	-15.28	-30.57
Baltimore, MD	CO	Maintenance	100	-	-0.22	-0.31	-0.62
Baltimore, MD	Ozone	Moderate	50	-	-21.63	-30.05	-62.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-21.63	-30.04	-62.07
Baton Rouge, LA	Ozone	Moderate	50	-	-47.21	-65.35	-129.66
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-78.24	-108.27	-214.07
Benton County, TN	SO _x	Maintenance	100	-	-0.09	-0.13	-0.25
Benton Harbor, MI	Ozone	Maintenance	100	-	-6.23	-8.63	-17.21
Benzie County, MI	Ozone	Maintenance	100	-	-0.62	-0.86	-1.71
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-4.17	-5.78	-11.54
Billings, MT	CO	Maintenance	100	-	-21.13	-29.24	-57.78
Birmingham, AL	Ozone	Maintenance	100	-	-13.83	-19.18	-38.81

Appendix B

Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-13.92	-19.30	-39.05
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-11.82	-16.37	-32.61
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-11.82	-16.37	-32.61
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.51	-0.71	-1.41
Boston, MA	CO	Maintenance	100	-	-6.60	-9.17	-18.91
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-31.04	-43.15	-89.93
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.07	-4.28	-9.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.23	-1.70	-3.37
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-13.12	-18.20	-37.01
Burlington, NJ	CO	Maintenance	100	-	-0.06	-0.09	-0.18
Butte, MT	PM ₁₀	Moderate	100	-	-1.77	-2.45	-4.86
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.79	-1.10	-2.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	-9.36	-12.97	-25.88
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-9.36	-12.97	-25.88
Case County, MI	Ozone	Maintenance	100	-	-1.20	-1.67	-3.33
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.39	-0.55	-1.08
Charleston, WV	Ozone	Maintenance	100	-	-3.07	-4.26	-8.68
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.07	-4.26	-8.68
Charlotte, NC	CO	Maintenance	100	-	-6.83	-9.48	-19.39
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-24.71	-34.25	-69.12
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-21.97	-30.42	-60.56
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-20.11	-27.85	-55.44
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-77.47	-107.47	-218.68
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-81.81	-113.48	-230.77
Chico, CA	CO	Maintenance	100	-	-1.54	-2.13	-4.30
Chico, CA	Ozone	Former Subpart 1	50	-	-3.59	-4.98	-10.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-24.04	-33.34	-67.65

Appendix B

**Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-22.41	-31.09	-63.15
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.29	-0.40	-0.81
Clark County, NV	PM ₁₀	Serious	70	-	-13.92	-19.32	-39.49
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-12.12	-16.78	-33.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-6.83	-9.46	-18.84
Cleveland, OH	CO	Maintenance	100	-	-12.82	-17.77	-35.98
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-26.11	-36.23	-73.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-23.98	-33.27	-67.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.99	-2.78	-6.05
Colbert County, AL	SO _x	Maintenance	100	-	-2.08	-2.87	-5.73
Colorado Springs, CO	CO	Maintenance	100	-	-15.05	-20.84	-41.68
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.22	-0.31	-0.61
Columbia, SC	Ozone	Former Subpart 1	50	-	-24.23	-33.55	-66.82
Columbus, OH	Ozone	Maintenance	100	-	-26.78	-37.11	-74.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-23.00	-31.89	-64.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.06	-0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-12.82	-17.77	-35.98
Cuyahoga County, OH	SO _x	Maintenance	100	-	-10.44	-14.48	-29.32
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-87.85	-121.82	-246.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-11.85	-16.44	-33.23
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-10.28	-14.25	-28.83
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-23.94	-33.24	-68.34
Denver-Boulder, CO	CO	Maintenance	100	-	-23.41	-32.50	-66.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-41.78	-57.95	-117.68
Detroit, MI	CO	Maintenance	100	-	-26.82	-37.17	-74.89
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-65.91	-91.37	-184.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-63.14	-87.55	-177.05

Appendix B

Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.18	-0.25	-0.53
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.49	-0.69	-1.39
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.39	-0.54	-1.09
Duluth, MN	CO	Maintenance	100	-	-2.72	-3.76	-7.50
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.30	-0.42	-0.84
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.08
East Chicago, IN	PM ₁₀	Maintenance	100	-	-15.77	-21.83	-43.28
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.04	-0.05	-0.10
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.01	-13.87	-27.83
El Paso, TX	CO	Maintenance	100	-	-0.54	-0.75	-1.50
Erie, PA	Ozone	Maintenance	100	-	-3.03	-4.20	-8.50
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-7.52	-10.42	-20.78
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-7.18	-9.95	-19.84
Evansville, IN	Ozone	Maintenance	100	-	-5.00	-6.93	-13.93
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-8.27	-11.46	-22.92
Fairbanks, AK	CO	Maintenance	100	-	-1.01	-1.40	-2.79
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-2.73	-3.79	-7.75
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.29	-0.40	-0.80
Flint, MI	Ozone	Maintenance	100	-	-6.34	-8.80	-17.85
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.12
Fort Collins, CO	CO	Maintenance	100	-	-3.53	-4.89	-9.82
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Fort Wayne, IN	Ozone	Maintenance	100	-	-13.98	-19.35	-38.54
Franklin County, PA	Ozone	Maintenance	100	-	-4.95	-6.85	-13.67
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Frederick County, VA	Ozone	Former Subpart 1	50	-	-7.80	-10.80	-21.44
Fredericksburg, VA	Ozone	Maintenance	100	-	-8.07	-11.19	-22.45

Appendix B

Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.10	-0.14	-0.30
Fresno, CA	CO	Maintenance	100	-	-4.80	-6.66	-13.69
Grand Rapids, MI	Ozone	Maintenance	100	-	-13.88	-19.24	-38.72
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.14	-1.58	-3.16
Grant County, NM	SO _x	Maintenance	100	-	-0.14	-0.19	-0.39
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.08	-1.50	-2.99
Great Falls, MT	CO	Maintenance	100	-	-1.05	-1.45	-2.88
Greater Connecticut, CT	Ozone	Moderate	50	-	-16.73	-23.21	-47.36
Greeley, CO	CO	Maintenance	100	-	-5.01	-6.94	-13.81
Green Bay, WI	SO _x	Maintenance	100	-	-1.88	-2.61	-5.27
Greene County, IN	Ozone	Maintenance	100	-	-3.10	-4.29	-8.50
Greene County, PA	Ozone	Maintenance	100	-	-2.14	-2.97	-5.90
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-22.99	-31.88	-64.44
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-10.42	-14.45	-29.28
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-39.78	-55.07	-109.54
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.26	-0.36	-0.72
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.09	-2.89	-5.81
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-8.76	-12.16	-24.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-8.59	-11.91	-24.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-9.27	-12.87	-26.41
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.10	-0.14	-0.29
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.53	-0.74	-1.49
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.05	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	-0.82	-1.13	-2.27
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.29	-3.17	-6.43
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-4.06	-5.62	-11.38
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.02	-0.05

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Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-299.19	-414.16	-822.68
Humphreys County, TN	SO _x	Maintenance	100	-	-0.13	-0.18	-0.36
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-32.68	-45.23	-89.56
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-26.78	-37.06	-73.30
Huron County, MI	Ozone	Maintenance	100	-	-0.81	-1.12	-2.25
Imperial County, CA	Ozone	Moderate	50	-	-2.44	-3.39	-6.88
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.38	-3.31	-6.72
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.71	-0.99	-1.98
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Indianapolis, IN	Ozone	Maintenance	100	-	-33.24	-46.07	-92.79
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-25.44	-35.27	-71.08
Jackson County, IN	Ozone	Maintenance	100	-	-4.86	-6.72	-13.35
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.74	-3.80	-7.65
Jefferson County, NY	Ozone	Moderate	50	-	-1.13	-1.57	-3.22
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.46	-0.64	-1.27
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-11.36	-15.73	-31.25
Johnstown, PA	Ozone	Maintenance	100	-	-2.42	-3.35	-6.72
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-3.18	-4.41	-8.80
Juneau, AK	PM ₁₀	Moderate	100	-	-0.77	-1.07	-2.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-11.19	-15.51	-31.09
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.19	-1.65	-3.29
Kansas City, MO-KS	Ozone	Maintenance	100	-	-47.57	-65.88	-131.58
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.29	-0.40	-0.93
Kent, WA	PM ₁₀	Maintenance	100	-	-0.43	-0.60	-1.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.75	-2.42	-4.85
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.32	-0.45	-0.91
King County, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.25	-0.50
Klamath Falls, OR	CO	Maintenance	100	-	-1.96	-2.72	-5.41

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Table B.1-61
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Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.96	-2.72	-5.41
Knoxville, TN	Ozone	Former Subpart 1	50	-	-43.47	-60.18	-119.87
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-35.82	-49.60	-98.74
La Porte County, IN	SO _x	Maintenance	100	-	-1.40	-1.93	-3.85
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.73	-1.01	-2.01
Lake County, IN	SO _x	Maintenance	100	-	-7.98	-11.06	-22.12
Lake County, OH	SO _x	Maintenance	100	-	-0.24	-0.33	-0.68
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.26	-0.36	-0.72
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.10	-0.14	-0.31
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.25	-0.34	-0.73
Lake Tahoe, NV	CO	Maintenance	100	-	-0.21	-0.29	-0.60
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.85	-1.18	-2.33
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Lancaster, PA	Ozone	Maintenance	100	-	-2.87	-3.99	-8.29
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-2.87	-3.99	-8.29
Lane County, OR	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.14
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-3.81	-5.29	-10.89
LaPorte, IN	Ozone	Maintenance	100	-	-3.91	-5.42	-10.79
Las Vegas, NV	CO	Serious	100	-	-13.92	-19.32	-39.49
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-14.14	-19.62	-40.10
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.65	-0.90	-1.87
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.07	-0.09	-0.18
Libby, MT	PM ₁₀	Moderate	100	-	-0.10	-0.15	-0.29
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.14	-0.19	-0.39
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.29	-0.40	-0.81
Lima, OH	Ozone	Maintenance	100	-	-8.85	-12.25	-24.28
Longmont, CO	CO	Maintenance	100	-	-0.38	-0.53	-1.12
Lorain County, OH	SO _x	Maintenance	100	-	-0.41	-0.57	-1.16

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Table B.1-61
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Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-147.46	-204.63	-417.93
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-147.46	-204.63	-417.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-147.46	-204.63	-417.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-147.47	-204.63	-417.94
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-147.46	-204.62	-417.91
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-5.09	-7.07	-14.58
Louisville, KY-IN	Ozone	Maintenance	100	-	-14.97	-20.76	-42.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-15.08	-20.91	-42.31
Lowell, MA	CO	Maintenance	100	-	-0.73	-1.01	-2.10
Lucas County, OH	SO _x	Maintenance	100	-	-3.89	-5.39	-10.93
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.56	-0.77	-1.59
Macon, GA	Ozone	Maintenance	100	-	-8.74	-12.10	-24.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	-8.67	-12.01	-23.90
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.07	-0.09	-0.18
Madison, WI	SO _x	Maintenance	100	-	-3.11	-4.31	-8.74
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.18	-0.25	-0.50
Manchester, NH	CO	Maintenance	100	-	-0.22	-0.31	-0.68
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.59	-0.83	-1.73
Marion County, IN	SO _x	Maintenance	100	-	-7.55	-10.46	-20.94
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.91	-1.27	-2.60
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-9.83	-13.61	-27.17
Mason County, MI	Ozone	Maintenance	100	-	-0.62	-0.86	-1.71
Medford, OR	CO	Maintenance	100	-	-0.44	-0.61	-1.27
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.05	-1.45	-3.04
Memphis, TN-AR	Ozone	Maintenance	100	-	-22.90	-31.72	-63.57
Memphis, TN	CO	Maintenance	100	-	-15.02	-20.81	-41.95
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.45	-0.63	-1.27

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Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.11	-0.15	-0.29
Milwaukee, WI	SO _x	Maintenance	100	-	-6.78	-9.40	-19.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-20.15	-27.95	-56.83
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-74.82	-103.63	-207.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-55.46	-76.84	-154.26
Missoula, MT	CO	Maintenance	100	-	-4.38	-6.06	-12.01
Missoula, MT	PM ₁₀	Moderate	100	-	-4.24	-5.87	-11.64
Modesto, CA	CO	Maintenance	100	-	-4.56	-6.32	-12.75
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.40	-1.95	-3.93
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Morristown, NJ	CO	Maintenance	100	-	-0.21	-0.29	-0.60
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.98	-1.35	-2.70
Muncie, IN	Ozone	Maintenance	100	-	-6.99	-9.67	-19.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.12	-0.17	-0.34
Muscatine County, IA	SO _x	Maintenance	100	-	-0.49	-0.67	-1.34
Muskegon, MI	Ozone	Maintenance	100	-	-3.69	-5.11	-10.21
Nashua, NH	CO	Maintenance	100	-	-0.17	-0.24	-0.54
Nashville, TN	Ozone	Former Subpart 1	50	-	-21.16	-29.34	-59.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.28	-1.78	-3.63
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.48	-4.81	-9.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-19.32	-26.76	-53.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.27	-0.37	-0.74
New York County, NY	PM ₁₀	Moderate	100	-	-36.64	-50.71	-100.52
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-155.94	-216.06	-433.84
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-230.16	-319.03	-643.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-224.62	-311.36	-628.38
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.56	-0.78	-1.57

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-31.85	-44.12	-88.57
Ogden, UT	CO	Maintenance	100	-	-0.58	-0.80	-1.65
Ogden, UT	PM ₁₀	Moderate	100	-	-0.58	-0.80	-1.65
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.45	-0.63	-1.26
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.39	-1.93	-3.91
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.06	-0.08	-0.16
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-4.63	-6.42	-12.80
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-4.92	-6.81	-13.58
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.30	-0.42	-0.85
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.69	-0.95	-1.98
Perth Amboy, NJ	CO	Maintenance	100	-	-1.45	-2.01	-4.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.21	-5.84	-11.91
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-103.96	-144.02	-288.44
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-122.46	-169.69	-341.06
Phoenix, AZ	CO	Maintenance	100	-	-26.49	-36.82	-76.78
Phoenix, AZ	PM ₁₀	Serious	70	-	-27.54	-38.29	-79.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-27.64	-38.43	-80.10
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.60	-0.83	-1.65
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.11
Pittsburgh, PA	CO	Maintenance	100	-	-0.45	-0.63	-1.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-38.11	-52.81	-106.14
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-32.25	-44.69	-89.95
Polk County, TN	SO _x	Maintenance	100	-	-0.81	-1.13	-2.24
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.13
Portland, ME	Ozone	Maintenance	100	-	-7.84	-10.87	-21.98

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-13.02	-18.06	-36.73
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.71	-2.37	-4.72
Poughkeepsie, NY	Ozone	Moderate	50	-	-11.29	-15.67	-32.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.29	-0.40	-0.79
Providence (entire State), RI	Ozone	Moderate	50	-	-17.73	-24.57	-49.42
Provo, UT	CO	Maintenance	100	-	-1.91	-2.64	-5.36
Raleigh-Durham, NC	CO	Maintenance	100	-	-9.36	-13.00	-26.86
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-14.43	-20.03	-41.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.14
Reading, PA	Ozone	Maintenance	100	-	-4.59	-6.36	-12.87
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.59	-6.36	-12.87
Reno, NV	CO	Maintenance	100	-	-3.10	-4.30	-8.72
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-15.05	-20.88	-42.35
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.62	-0.86	-1.74
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.99	-2.78	-6.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	-7.11	-9.85	-19.69
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.67	-2.32	-4.64
Rochester, NY	Ozone	Former Subpart 1	50	-	-14.69	-20.39	-41.49
Rocky Mount, NC	Ozone	Maintenance	100	-	-3.94	-5.46	-10.96
Rome, GA	PM _{2.5}	Nonattainment	100	-	-4.29	-5.95	-11.85
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.08	-0.12	-0.23
Sacramento County, CA	PM ₁₀	Moderate	100	-	-10.16	-14.12	-29.20
Sacramento Metro, CA	Ozone	Severe	25	-	-24.52	-34.03	-69.54
Sacramento, CA	CO	Maintenance	100	-	-11.37	-15.80	-32.66
Salem, OR	CO	Maintenance	100	-	-1.26	-1.74	-3.56
Salt Lake City, UT	CO	Maintenance	100	-	-2.68	-3.72	-7.53

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.07	-12.59	-25.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	-8.05	-11.18	-23.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	-57.99	-80.30	-160.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.52	-3.50	-7.30
San Diego, CA	CO	Maintenance	100	-	-21.36	-29.71	-62.38
San Diego, CA	Ozone	Former Subpart 1	50	-	-21.40	-29.77	-62.50
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-104.88	-145.36	-292.76
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-108.96	-151.04	-304.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	-61.13	-84.75	-171.36
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-61.55	-85.34	-172.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-61.13	-84.75	-171.36
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.28	-0.39	-0.79
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-10.64	-14.74	-29.73
Seattle-Tacoma, WA	CO	Maintenance	100	-	-48.31	-66.96	-134.91
Sheboygan, WI	Ozone	Moderate	50	-	-1.61	-2.24	-4.53
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.38	-1.91	-3.79
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.10	-0.14	-0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-7.49	-10.38	-20.91
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.61	-2.23	-4.58
Spokane County, WA	PM ₁₀	Maintenance	100	-	-6.30	-8.73	-17.50
Spokane, WA	CO	Maintenance	100	-	-6.24	-8.64	-17.33
Springfield (western MA), MA	Ozone	Moderate	50	-	-5.97	-8.30	-17.22
Springfield, MA	CO	Maintenance	100	-	-1.07	-1.48	-3.06
St. Louis, MO	CO	Maintenance	100	-	-35.51	-49.16	-97.93
St. Louis, MO-IL	Ozone	Moderate	50	-	-89.69	-124.21	-247.97
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-89.52	-123.98	-247.50

Appendix B

Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.85	-1.19	-2.51
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.39	-0.54	-1.08
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.51	-3.48	-6.91
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.38	-8.83	-17.53
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.38	-8.83	-17.53
Stockton, CA	CO	Maintenance	100	-	-5.24	-7.27	-14.76
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-13.80	-19.11	-38.21
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-5.75	-7.96	-15.84
Tioga County, PA	Ozone	Maintenance	100	-	-0.53	-0.74	-1.51
Toledo, OH	Ozone	Maintenance	100	-	-17.17	-23.78	-47.46
Toms River, NJ	CO	Maintenance	100	-	-0.58	-0.80	-1.67
Tooele County, UT	SO _x	Nonattainment	100	-	-3.00	-4.15	-8.29
Trenton, NJ	CO	Maintenance	100	-	-0.68	-0.94	-1.94
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Tucson, AZ	CO	Maintenance	100	-	-12.91	-17.90	-36.24
Utah County, UT	PM ₁₀	Moderate	100	-	-5.73	-7.95	-16.13
Vancouver, WA	CO	Maintenance	100	-	-3.28	-4.55	-9.27
Ventura County, CA	Ozone	Serious	50	-	-5.15	-7.15	-14.87
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.56	-0.78	-1.54
Vigo County, IN	SO _x	Maintenance	100	-	-5.75	-7.96	-15.84
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.37	-0.51	-1.06
Warren County, NJ	SO _x	Maintenance	100	-	-0.25	-0.34	-0.71
Warren County, PA	SO _x	Nonattainment	100	-	-0.18	-0.24	-0.49
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-6.87	-9.52	-18.99
Washington, DC-MD-VA	CO	Maintenance	100	-	-9.36	-13.01	-27.13

Appendix B

**Table B.1-61
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-37.83	-52.55	-108.67
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-35.43	-49.23	-102.02
Washoe County, NV	PM ₁₀	Serious	70	-	-3.10	-4.30	-8.72
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.20	-0.28	-0.56
Wayne County, IN	SO _x	Maintenance	100	-	-2.49	-3.45	-6.87
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.89	-6.77	-13.43
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.43	-0.59	-1.18
Weirton, WV	SO _x	Maintenance	100	-	-0.57	-0.78	-1.56
Wheeling, WV-OH	Ozone	Maintenance	100	-	-6.22	-8.61	-17.14
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-6.22	-8.61	-17.14
Winston-Salem, NC	CO	Maintenance	100	-	-6.20	-8.60	-17.36
Worcester, MA	CO	Maintenance	100	-	-1.16	-1.62	-3.39
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.75	-3.80	-7.59
Yakima, WA	CO	Maintenance	100	-	-1.10	-1.52	-3.03
York, PA	Ozone	Maintenance	100	-	-6.56	-9.10	-18.37
York, PA	PM _{2.5}	Nonattainment	100	-	-4.28	-5.93	-12.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-8.48	-11.76	-23.83
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.01	-4.17	-8.39

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.15	-0.24	-0.47
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.18	-0.38
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.12	-0.18	-0.39
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-40.21	-63.36	-132.64
Albuquerque, NM	CO	Maintenance	100	-	-16.25	-25.63	-54.47
Allegan County, MI	Ozone	Former Subpart 1	50	-	-6.87	-10.80	-21.80
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.17	-19.21	-42.55
Altoona, PA	Ozone	Maintenance	100	-	-6.21	-9.76	-19.36
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.27	-2.02	-5.65
Anchorage, AK	CO	Maintenance	100	-	-10.72	-16.86	-33.05
Anthony, NM	PM ₁₀	Moderate	100	-	-0.53	-0.84	-1.65
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.16
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.49	-0.77	-1.52
Atlanta, GA	Ozone	Moderate	50	-	-194.30	-306.29	-647.11
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-194.59	-306.74	-647.99
Atlantic City, NJ	CO	Maintenance	100	-	-0.68	-1.09	-2.61
Bakersfield, CA	CO	Maintenance	100	-	-23.10	-36.34	-72.78
Baltimore, MD	CO	Maintenance	100	-	-0.49	-0.77	-1.56
Baltimore, MD	Ozone	Moderate	50	-	-44.85	-71.00	-166.25
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-44.85	-71.00	-166.25
Baton Rouge, LA	Ozone	Moderate	50	-	-101.10	-158.79	-304.28
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-167.97	-263.65	-496.31
Benton County, TN	SO _x	Maintenance	100	-	-0.19	-0.30	-0.58
Benton Harbor, MI	Ozone	Maintenance	100	-	-13.32	-20.93	-41.08
Benzie County, MI	Ozone	Maintenance	100	-	-1.32	-2.07	-4.12
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-8.89	-13.98	-27.73
Billings, MT	CO	Maintenance	100	-	-45.41	-71.27	-133.76
Birmingham, AL	Ozone	Maintenance	100	-	-29.23	-46.08	-97.41

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-29.42	-46.37	-98.00
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-25.23	-39.66	-77.66
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-25.23	-39.66	-77.66
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.11	-1.74	-3.43
Boston, MA	CO	Maintenance	100	-	-13.83	-21.88	-50.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-64.03	-101.53	-247.13
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-6.24	-9.93	-25.87
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.68	-4.20	-7.95
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-27.63	-43.59	-94.35
Burlington, NJ	CO	Maintenance	100	-	-0.12	-0.19	-0.46
Butte, MT	PM ₁₀	Moderate	100	-	-3.80	-5.96	-11.36
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.71	-2.68	-5.23
Canton-Massillon, OH	Ozone	Maintenance	100	-	-19.99	-31.42	-61.94
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-19.99	-31.42	-61.94
Case County, MI	Ozone	Maintenance	100	-	-2.56	-4.03	-8.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.11	-0.20
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.85	-1.33	-2.56
Charleston, WV	Ozone	Maintenance	100	-	-6.48	-10.23	-22.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.48	-10.23	-22.21
Charlotte, NC	CO	Maintenance	100	-	-14.26	-22.53	-50.37
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-52.18	-82.22	-172.01
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-46.95	-73.78	-143.81
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-42.98	-67.54	-131.62
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-162.67	-256.73	-558.77
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-171.87	-271.21	-588.50
Chico, CA	CO	Maintenance	100	-	-3.28	-5.17	-10.88
Chico, CA	Ozone	Former Subpart 1	50	-	-7.56	-11.92	-25.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-50.64	-79.86	-171.27

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-47.17	-74.42	-160.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.61	-0.96	-1.94
Clark County, NV	PM ₁₀	Serious	70	-	-29.03	-45.86	-102.55
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-25.91	-40.71	-78.87
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-14.59	-22.93	-44.81
Cleveland, OH	CO	Maintenance	100	-	-27.14	-42.78	-90.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-54.86	-86.61	-190.66
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-50.38	-79.54	-175.20
Coachella Valley, CA	PM ₁₀	Serious	70	-	-3.86	-6.19	-18.79
Colbert County, AL	SO _x	Maintenance	100	-	-4.44	-6.97	-13.68
Colorado Springs, CO	CO	Maintenance	100	-	-32.02	-50.37	-100.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.48	-0.75	-1.46
Columbia, SC	Ozone	Former Subpart 1	50	-	-51.72	-81.29	-159.00
Columbus, OH	Ozone	Maintenance	100	-	-56.58	-89.14	-185.30
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-48.54	-76.49	-160.32
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.09	-0.14	-0.29
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-27.14	-42.78	-90.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	-22.19	-34.98	-73.90
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-184.67	-291.23	-622.16
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-25.08	-39.53	-83.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-21.74	-34.27	-72.27
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-49.72	-78.64	-180.47
Denver-Boulder, CO	CO	Maintenance	100	-	-48.65	-76.93	-175.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-87.73	-138.40	-298.88
Detroit, MI	CO	Maintenance	100	-	-56.39	-88.82	-183.65
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-139.26	-219.48	-461.73
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-133.37	-210.23	-443.49

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.37	-0.59	-1.51
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.02	-1.61	-3.40
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.81	-1.27	-2.69
Duluth, MN	CO	Maintenance	100	-	-5.82	-9.15	-18.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.65	-1.02	-2.00
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.09	-0.19
East Chicago, IN	PM ₁₀	Maintenance	100	-	-33.79	-53.07	-101.31
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.12	-0.23
El Paso County, TX	PM ₁₀	Moderate	100	-	-21.11	-33.22	-67.46
El Paso, TX	CO	Maintenance	100	-	-1.12	-1.76	-3.64
Erie, PA	Ozone	Maintenance	100	-	-6.40	-10.09	-21.39
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	-16.15	-25.39	-49.97
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-15.43	-24.27	-47.75
Evansville, IN	Ozone	Maintenance	100	-	-10.63	-16.73	-34.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-17.58	-27.65	-55.26
Fairbanks, AK	CO	Maintenance	100	-	-2.16	-3.39	-6.51
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.71	-9.02	-20.17
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.62	-0.98	-1.91
Flint, MI	Ozone	Maintenance	100	-	-13.38	-21.10	-45.22
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.29
Fort Collins, CO	CO	Maintenance	100	-	-7.47	-11.76	-23.93
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.18
Fort Wayne, IN	Ozone	Maintenance	100	-	-29.85	-46.91	-91.63
Franklin County, PA	Ozone	Maintenance	100	-	-10.56	-16.59	-32.68
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.09	-0.18
Frederick County, VA	Ozone	Former Subpart 1	50	-	-16.70	-26.23	-50.41
Fredericksburg, VA	Ozone	Maintenance	100	-	-17.10	-26.92	-54.90

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.22	-0.35	-0.85
Fresno, CA	CO	Maintenance	100	-	-9.81	-15.52	-35.62
Grand Rapids, MI	Ozone	Maintenance	100	-	-29.38	-46.27	-95.49
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.40	-3.77	-7.50
Grant County, NM	SO _x	Maintenance	100	-	-0.30	-0.47	-0.90
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.05	-0.10
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.33	-3.66	-7.19
Great Falls, MT	CO	Maintenance	100	-	-2.23	-3.50	-6.74
Greater Connecticut, CT	Ozone	Moderate	50	-	-35.14	-55.48	-122.07
Greeley, CO	CO	Maintenance	100	-	-10.74	-16.88	-32.89
Green Bay, WI	SO _x	Maintenance	100	-	-3.94	-6.21	-12.97
Greene County, IN	Ozone	Maintenance	100	-	-6.63	-10.41	-19.97
Greene County, PA	Ozone	Maintenance	100	-	-4.58	-7.20	-13.95
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-48.59	-76.59	-161.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-22.00	-34.69	-73.78
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-85.05	-133.65	-259.44
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.54	-0.86	-1.85
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.42	-6.95	-14.27
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-18.36	-28.99	-63.75
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-18.02	-28.44	-61.98
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-19.40	-30.67	-69.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.22	-0.34	-0.75
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.13	-1.79	-3.77
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.08	-0.12	-0.28
Hazelwood, PA	SO _x	Maintenance	100	-	-1.76	-2.76	-5.61
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-4.83	-7.62	-16.23
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.58	-13.53	-28.55
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.05	-0.13

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-639.93	-1,005.32	-1,938.94
Humphreys County, TN	SO _x	Maintenance	100	-	-0.28	-0.45	-0.86
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-70.10	-110.06	-208.72
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-57.49	-90.24	-170.18
Huron County, MI	Ozone	Maintenance	100	-	-1.73	-2.72	-5.40
Imperial County, CA	Ozone	Moderate	50	-	-5.11	-8.07	-17.53
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.00	-7.88	-17.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.43	-2.26	-4.59
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.08	-0.16
Indianapolis, IN	Ozone	Maintenance	100	-	-70.35	-110.80	-229.35
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-53.81	-84.77	-176.09
Jackson County, IN	Ozone	Maintenance	100	-	-10.40	-16.34	-31.37
Jamestown, NY	Ozone	Former Subpart 1	50	-	-5.82	-9.16	-18.83
Jefferson County, NY	Ozone	Moderate	50	-	-2.37	-3.75	-8.39
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.98	-1.53	-2.95
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-24.32	-38.20	-73.71
Johnstown, PA	Ozone	Maintenance	100	-	-5.16	-8.12	-16.29
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-6.77	-10.65	-21.11
Juneau, AK	PM ₁₀	Moderate	100	-	-1.68	-2.64	-5.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-23.81	-37.47	-75.59
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.55	-4.01	-7.80
Kansas City, MO-KS	Ozone	Maintenance	100	-	-101.32	-159.34	-316.07
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.54	-0.87	-3.25
Kent, WA	PM ₁₀	Maintenance	100	-	-0.93	-1.47	-3.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.54	-5.57	-11.33
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.68	-1.08	-2.28
King County, WA	PM ₁₀	Maintenance	100	-	-0.38	-0.60	-1.24
Klamath Falls, OR	CO	Maintenance	100	-	-4.19	-6.59	-12.86

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.19	-6.59	-12.86
Knoxville, TN	Ozone	Former Subpart 1	50	-	-92.72	-145.75	-285.32
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-76.47	-120.18	-234.58
La Porte County, IN	SO _x	Maintenance	100	-	-2.99	-4.70	-9.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.58	-2.48	-4.80
Lake County, IN	SO _x	Maintenance	100	-	-16.93	-26.63	-53.11
Lake County, OH	SO _x	Maintenance	100	-	-0.49	-0.78	-1.86
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.56	-0.88	-1.71
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.20	-0.32	-0.94
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.49	-0.79	-2.18
Lake Tahoe, NV	CO	Maintenance	100	-	-0.44	-0.69	-1.52
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.83	-2.87	-5.45
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.13
Lancaster, PA	Ozone	Maintenance	100	-	-5.92	-9.39	-22.60
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.92	-9.39	-22.60
Lane County, OR	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.31
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.94	-12.57	-28.83
LaPorte, IN	Ozone	Maintenance	100	-	-8.37	-13.15	-25.63
Las Vegas, NV	CO	Serious	100	-	-29.03	-45.86	-102.55
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-29.46	-46.54	-104.06
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.36	-2.15	-5.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.14	-0.22	-0.43
Libby, MT	PM ₁₀	Moderate	100	-	-0.22	-0.35	-0.71
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.30	-0.47	-0.94
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.61	-0.96	-1.94
Lima, OH	Ozone	Maintenance	100	-	-18.97	-29.79	-56.79
Longmont, CO	CO	Maintenance	100	-	-0.77	-1.22	-3.32
Lorain County, OH	SO _x	Maintenance	100	-	-0.86	-1.35	-3.05

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Table B.1-62
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Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-308.24	-486.85	-1,080.82
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-308.24	-486.85	-1,080.82
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-308.24	-486.85	-1,080.82
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-308.24	-486.86	-1,080.84
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-308.22	-486.82	-1,080.77
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-10.56	-16.71	-38.99
Louisville, KY-IN	Ozone	Maintenance	100	-	-31.62	-49.85	-105.74
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-31.88	-50.25	-106.06
Lowell, MA	CO	Maintenance	100	-	-1.54	-2.44	-5.83
Lucas County, OH	SO _x	Maintenance	100	-	-8.21	-12.95	-27.53
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.17	-1.84	-4.14
Macon, GA	Ozone	Maintenance	100	-	-18.69	-29.38	-57.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	-18.55	-29.14	-56.71
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.14	-0.22	-0.44
Madison, WI	SO _x	Maintenance	100	-	-6.58	-10.38	-22.13
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.39	-0.61	-1.24
Manchester, NH	CO	Maintenance	100	-	-0.42	-0.67	-2.13
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.23	-1.95	-4.78
Marion County, IN	SO _x	Maintenance	100	-	-16.06	-25.26	-50.65
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.88	-2.98	-6.84
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-20.96	-32.96	-65.09
Mason County, MI	Ozone	Maintenance	100	-	-1.31	-2.07	-4.15
Medford, OR	CO	Maintenance	100	-	-0.90	-1.43	-3.55
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.15	-3.41	-8.46
Memphis, TN-AR	Ozone	Maintenance	100	-	-48.75	-76.70	-154.35
Memphis, TN	CO	Maintenance	100	-	-31.84	-50.15	-103.91
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.96	-1.51	-3.16

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Table B.1-62
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Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.22	-0.35	-0.70
Milwaukee, WI	SO _x	Maintenance	100	-	-14.46	-22.80	-48.49
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-42.37	-66.86	-144.84
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-159.26	-250.50	-499.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-117.66	-185.21	-377.17
Missoula, MT	CO	Maintenance	100	-	-9.34	-14.68	-28.07
Missoula, MT	PM ₁₀	Moderate	100	-	-9.05	-14.22	-27.19
Modesto, CA	CO	Maintenance	100	-	-9.56	-15.07	-31.61
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-2.97	-4.68	-9.90
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.09	-0.19
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.17	-0.35
Morristown, NJ	CO	Maintenance	100	-	-0.44	-0.70	-1.67
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.09	-3.28	-6.44
Muncie, IN	Ozone	Maintenance	100	-	-14.97	-23.51	-45.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.27	-0.42	-0.84
Muscatine County, IA	SO _x	Maintenance	100	-	-1.05	-1.65	-3.25
Muskegon, MI	Ozone	Maintenance	100	-	-7.86	-12.36	-24.53
Nashua, NH	CO	Maintenance	100	-	-0.33	-0.54	-1.70
Nashville, TN	Ozone	Former Subpart 1	50	-	-44.57	-70.28	-149.60
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.65	-4.19	-9.40
New Haven County, CT	PM ₁₀	Maintenance	100	-	-7.67	-12.06	-24.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-41.12	-64.69	-129.55
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.58	-0.92	-1.78
New York County, NY	PM ₁₀	Moderate	100	-	-78.53	-123.32	-235.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-331.33	-521.53	-1,061.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-487.04	-767.32	-1,599.21
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-475.21	-748.73	-1,563.11
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.18	-1.86	-3.93

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-67.66	-106.49	-216.41
Ogden, UT	CO	Maintenance	100	-	-1.21	-1.91	-4.37
Ogden, UT	PM ₁₀	Moderate	100	-	-1.21	-1.91	-4.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.20
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.92	-1.45	-2.95
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.92	-4.60	-9.80
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.12	-0.20	-0.41
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-9.89	-15.55	-30.65
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-10.50	-16.51	-32.45
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.64	-1.00	-2.09
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.43	-2.27	-5.36
Perth Amboy, NJ	CO	Maintenance	100	-	-3.17	-4.99	-10.20
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-8.88	-14.01	-30.55
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-221.22	-348.05	-699.37
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-259.90	-409.18	-836.90
Phoenix, AZ	CO	Maintenance	100	-	-53.64	-85.14	-212.10
Phoenix, AZ	PM ₁₀	Serious	70	-	-55.80	-88.57	-220.11
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-55.99	-88.87	-220.86
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.27	-2.00	-3.84
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.08	-0.13	-0.26
Pittsburgh, PA	CO	Maintenance	100	-	-1.01	-1.60	-3.24
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-80.95	-127.44	-260.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-68.44	-107.77	-221.70
Polk County, TN	SO _x	Maintenance	100	-	-1.74	-2.73	-5.33
Polson, MT	PM ₁₀	Moderate	100	-	-0.10	-0.16	-0.33
Portland, ME	Ozone	Maintenance	100	-	-16.54	-26.07	-54.98

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-27.39	-43.22	-93.71
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.65	-5.73	-11.19
Poughkeepsie, NY	Ozone	Moderate	50	-	-23.44	-37.06	-84.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.62	-0.98	-1.93
Providence (entire State), RI	Ozone	Moderate	50	-	-37.58	-59.18	-121.51
Provo, UT	CO	Maintenance	100	-	-4.04	-6.38	-13.74
Raleigh-Durham, NC	CO	Maintenance	100	-	-19.36	-30.65	-71.92
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-29.98	-47.41	-108.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.17	-0.34
Reading, PA	Ozone	Maintenance	100	-	-9.69	-15.28	-32.27
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.69	-15.28	-32.27
Reno, NV	CO	Maintenance	100	-	-6.52	-10.28	-21.93
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.09	-0.18
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-31.73	-50.04	-107.18
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.33	-2.10	-4.47
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-3.86	-6.19	-18.79
Roanoke, VA	Ozone	Former Subpart 1	50	-	-15.15	-23.83	-47.42
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.52	-5.53	-11.23
Rochester, NY	Ozone	Former Subpart 1	50	-	-30.90	-48.77	-106.09
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.38	-13.20	-26.71
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.17	-14.41	-28.25
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.13
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.18	-0.28	-0.55
Sacramento County, CA	PM ₁₀	Moderate	100	-	-20.88	-33.07	-78.60
Sacramento Metro, CA	Ozone	Severe	25	-	-50.88	-80.40	-180.39
Sacramento, CA	CO	Maintenance	100	-	-23.28	-36.88	-87.67
Salem, OR	CO	Maintenance	100	-	-2.62	-4.13	-9.19
Salt Lake City, UT	CO	Maintenance	100	-	-5.65	-8.92	-19.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.94	-29.94	-67.48
Salt Lake County, UT	SO _x	Nonattainment	100	-	-16.74	-26.48	-61.04
San Antonio, TX	Ozone	Former Subpart 1	50	-	-123.59	-194.32	-383.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.05	-8.01	-19.80
San Diego, CA	CO	Maintenance	100	-	-43.32	-68.84	-175.39
San Diego, CA	Ozone	Former Subpart 1	50	-	-43.40	-68.97	-175.71
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-221.72	-349.24	-723.84
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-230.01	-362.43	-758.08
San Joaquin Valley, CA	Ozone	Extreme	10	-	-128.75	-202.98	-430.07
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-129.57	-204.26	-432.68
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-128.75	-202.98	-430.07
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.59	-0.93	-2.11
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.08	-0.13	-0.25
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-22.52	-35.48	-73.75
Seattle-Tacoma, WA	CO	Maintenance	100	-	-102.02	-160.70	-333.53
Sheboygan, WI	Ozone	Moderate	50	-	-3.41	-5.37	-11.36
Sheridan, WY	PM ₁₀	Moderate	100	-	-2.91	-4.58	-8.79
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.20	-0.32	-0.79
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-15.87	-24.99	-51.72
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.28	-5.18	-11.64
Spokane County, WA	PM ₁₀	Maintenance	100	-	-13.33	-20.97	-42.48
Spokane, WA	CO	Maintenance	100	-	-13.19	-20.76	-42.04
Springfield (western MA), MA	Ozone	Moderate	50	-	-12.39	-19.62	-46.69
Springfield, MA	CO	Maintenance	100	-	-2.27	-3.59	-8.32
St. Louis, MO	CO	Maintenance	100	-	-76.02	-119.48	-233.22
St. Louis, MO-IL	Ozone	Moderate	50	-	-191.35	-300.87	-594.65
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-191.00	-300.32	-593.40

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.74	-2.77	-7.09
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.84	-1.32	-2.66
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.38	-8.45	-16.25
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-13.68	-21.48	-41.15
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-13.68	-21.48	-41.15
Stockton, CA	CO	Maintenance	100	-	-11.05	-17.44	-37.78
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-29.41	-46.26	-92.08
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.12
Terre Haute, IN	Ozone	Maintenance	100	-	-12.30	-19.33	-37.54
Tioga County, PA	Ozone	Maintenance	100	-	-1.11	-1.76	-3.92
Toledo, OH	Ozone	Maintenance	100	-	-36.65	-57.62	-113.68
Toms River, NJ	CO	Maintenance	100	-	-1.20	-1.91	-4.68
Tooele County, UT	SO _x	Nonattainment	100	-	-6.39	-10.05	-19.89
Trenton, NJ	CO	Maintenance	100	-	-1.43	-2.26	-5.22
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Tucson, AZ	CO	Maintenance	100	-	-27.18	-42.85	-91.16
Utah County, UT	PM ₁₀	Moderate	100	-	-12.03	-18.98	-40.89
Vancouver, WA	CO	Maintenance	100	-	-6.82	-10.77	-23.60
Ventura County, CA	Ozone	Serious	50	-	-10.53	-16.70	-40.66
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.20	-1.89	-3.60
Vigo County, IN	SO _x	Maintenance	100	-	-12.30	-19.33	-37.54
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.77	-1.21	-2.90
Warren County, NJ	SO _x	Maintenance	100	-	-0.51	-0.81	-1.92
Warren County, PA	SO _x	Nonattainment	100	-	-0.37	-0.58	-1.25
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-14.67	-23.06	-45.41
Washington, DC-MD-VA	CO	Maintenance	100	-	-19.43	-30.81	-75.16

Appendix B

Table B.1-62
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-78.25	-123.90	-292.12
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-73.16	-115.90	-275.92
Washoe County, NV	PM ₁₀	Serious	70	-	-6.52	-10.28	-21.93
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.44	-0.68	-1.32
Wayne County, IN	SO _x	Maintenance	100	-	-5.33	-8.38	-16.44
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.61	-16.67	-31.92
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.91	-1.43	-2.77
Weirton, WV	SO _x	Maintenance	100	-	-1.20	-1.89	-3.66
Wheeling, WV-OH	Ozone	Maintenance	100	-	-13.30	-20.90	-40.67
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-13.30	-20.90	-40.67
Winston-Salem, NC	CO	Maintenance	100	-	-13.12	-20.67	-43.19
Worcester, MA	CO	Maintenance	100	-	-2.40	-3.80	-9.56
Yakima County, WA	PM ₁₀	Maintenance	100	-	-5.81	-9.13	-18.08
Yakima, WA	CO	Maintenance	100	-	-2.39	-3.76	-7.44
York, PA	Ozone	Maintenance	100	-	-13.86	-21.85	-45.78
York, PA	PM _{2.5}	Nonattainment	100	-	-9.01	-14.20	-30.40
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-17.95	-28.29	-59.98
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.35	-10.00	-20.74

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.33	-0.57	-1.31
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.23	-0.39	-1.34
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.23	-0.41	-1.39
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-86.51	-149.43	-465.01
Albuquerque, NM	CO	Maintenance	100	-	-34.59	-59.97	-196.69
Allegan County, MI	Ozone	Former Subpart 1	50	-	-15.14	-25.94	-70.79
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-24.82	-43.56	-167.55
Altoona, PA	Ozone	Maintenance	100	-	-14.12	-24.04	-58.33
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.37	-2.91	-35.05
Anchorage, AK	CO	Maintenance	100	-	-23.54	-40.05	-96.39
Anthony, NM	PM ₁₀	Moderate	100	-	-1.16	-1.97	-4.71
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.06	-0.11	-0.91
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.11	-1.89	-4.59
Atlanta, GA	Ozone	Moderate	50	-	-410.38	-711.70	-2,347.37
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-410.91	-712.60	-2,349.47
Atlantic City, NJ	CO	Maintenance	100	-	-1.27	-2.29	-11.50
Bakersfield, CA	CO	Maintenance	100	-	-49.11	-84.03	-224.40
Baltimore, MD	CO	Maintenance	100	-	-1.21	-2.07	-5.24
Baltimore, MD	Ozone	Moderate	50	-	-84.88	-152.17	-732.51
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-84.88	-152.17	-732.50
Baton Rouge, LA	Ozone	Moderate	50	-	-234.57	-396.69	-839.29
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-395.32	-666.02	-1,288.72
Benton County, TN	SO _x	Maintenance	100	-	-0.43	-0.72	-1.50
Benton Harbor, MI	Ozone	Maintenance	100	-	-30.55	-51.89	-120.04
Benzie County, MI	Ozone	Maintenance	100	-	-2.92	-4.99	-13.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-19.99	-34.08	-85.32
Billings, MT	CO	Maintenance	100	-	-107.26	-180.61	-344.95
Birmingham, AL	Ozone	Maintenance	100	-	-62.91	-108.79	-344.72

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-63.34	-109.53	-346.58
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-57.38	-97.54	-230.33
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-57.38	-97.54	-230.33
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-2.61	-4.45	-10.95
Boston, MA	CO	Maintenance	100	-	-27.76	-49.25	-213.93
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-117.07	-212.56	-1,144.03
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-10.05	-18.95	-133.25
Boyd County (part), KY	SO _x	Maintenance	100	-	-6.63	-11.18	-22.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-58.11	-101.16	-351.67
Burlington, NJ	CO	Maintenance	100	-	-0.19	-0.35	-1.63
Butte, MT	PM ₁₀	Moderate	100	-	-8.88	-14.98	-30.44
Canon City, CO	PM ₁₀	Maintenance	100	-	-4.06	-6.90	-15.90
Canton-Massillon, OH	Ozone	Maintenance	100	-	-45.56	-77.48	-184.34
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-45.56	-77.48	-184.34
Case County, MI	Ozone	Maintenance	100	-	-5.80	-9.88	-24.47
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.17	-0.29	-0.65
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-1.99	-3.36	-7.03
Charleston, WV	Ozone	Maintenance	100	-	-13.81	-24.01	-81.64
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-13.81	-24.01	-81.64
Charlotte, NC	CO	Maintenance	100	-	-28.23	-49.86	-206.37
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-111.50	-192.79	-608.76
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-107.72	-182.79	-416.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-98.56	-167.25	-381.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-335.50	-586.34	-2,143.21
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-355.59	-620.88	-2,243.00
Chico, CA	CO	Maintenance	100	-	-7.15	-12.43	-42.06
Chico, CA	Ozone	Former Subpart 1	50	-	-15.72	-27.31	-92.43
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-106.60	-185.32	-632.38

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Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-98.84	-172.08	-598.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.27	-2.18	-5.82
Clark County, NV	PM ₁₀	Serious	70	-	-56.58	-100.25	-429.85
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-59.44	-100.80	-226.24
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-33.41	-56.72	-130.65
Cleveland, OH	CO	Maintenance	100	-	-59.25	-102.23	-313.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-113.82	-199.03	-733.00
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-104.60	-182.92	-673.31
Coachella Valley, CA	PM ₁₀	Serious	70	-	-3.48	-8.11	-123.54
Colbert County, AL	SO _x	Maintenance	100	-	-10.19	-17.30	-39.89
Colorado Springs, CO	CO	Maintenance	100	-	-71.41	-122.04	-318.97
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.10	-1.87	-4.33
Columbia, SC	Ozone	Former Subpart 1	50	-	-118.15	-200.70	-466.96
Columbus, OH	Ozone	Maintenance	100	-	-121.34	-209.50	-648.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-103.15	-178.53	-572.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.17	-0.30	-0.97
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.12
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-59.25	-102.23	-313.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	-49.26	-85.01	-260.46
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-382.83	-666.83	-2,334.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-54.38	-93.88	-289.95
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-47.08	-81.32	-252.86
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-95.04	-169.55	-778.62
Denver-Boulder, CO	CO	Maintenance	100	-	-93.44	-166.43	-752.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-180.37	-315.06	-1,143.96
Detroit, MI	CO	Maintenance	100	-	-118.59	-203.84	-588.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-299.13	-517.14	-1,630.53
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-285.76	-494.40	-1,575.84

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Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.60	-1.13	-7.71
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.99	-3.46	-11.42
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.61	-2.79	-9.21
Duluth, MN	CO	Maintenance	100	-	-13.51	-22.96	-53.65
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.46	-2.48	-5.98
East Chicago, IN	CO	Maintenance	100	-	-0.13	-0.22	-0.55
East Chicago, IN	PM ₁₀	Maintenance	100	-	-78.75	-133.03	-274.91
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.17	-0.29	-0.69
El Paso County, TX	PM ₁₀	Moderate	100	-	-45.51	-78.06	-217.59
El Paso, TX	CO	Maintenance	100	-	-2.27	-3.91	-11.76
Erie, PA	Ozone	Maintenance	100	-	-13.78	-23.83	-75.93
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.04	-0.07	-0.38
Eugene-Springfield, OR	CO	Maintenance	100	-	-37.44	-63.70	-152.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-35.88	-61.04	-146.12
Evansville, IN	Ozone	Maintenance	100	-	-23.53	-40.34	-111.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-39.21	-66.91	-170.30
Fairbanks, AK	CO	Maintenance	100	-	-4.86	-8.23	-17.97
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-11.56	-20.34	-80.69
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.43	-2.43	-5.64
Flint, MI	Ozone	Maintenance	100	-	-28.43	-49.35	-164.91
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.20	-0.33	-0.76
Fort Collins, CO	CO	Maintenance	100	-	-16.20	-27.83	-79.66
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.13	-0.22	-0.50
Fort Wayne, IN	Ozone	Maintenance	100	-	-68.24	-115.87	-267.85
Franklin County, PA	Ozone	Maintenance	100	-	-23.93	-40.72	-98.13
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.14	-0.23	-0.53
Frederick County, VA	Ozone	Former Subpart 1	50	-	-38.66	-65.42	-140.28
Fredericksburg, VA	Ozone	Maintenance	100	-	-37.11	-63.81	-185.00

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.45	-0.82	-4.40
Fresno, CA	CO	Maintenance	100	-	-17.64	-31.59	-150.71
Grand Rapids, MI	Ozone	Maintenance	100	-	-63.67	-109.66	-326.53
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-5.15	-8.77	-21.70
Grant County, NM	SO _x	Maintenance	100	-	-0.65	-1.11	-2.40
Grants Pass, OR	CO	Maintenance	100	-	-0.07	-0.12	-0.30
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-5.41	-9.20	-22.28
Great Falls, MT	CO	Maintenance	100	-	-5.03	-8.51	-18.28
Greater Connecticut, CT	Ozone	Moderate	50	-	-72.90	-127.47	-469.19
Greeley, CO	CO	Maintenance	100	-	-24.80	-42.11	-96.87
Green Bay, WI	SO _x	Maintenance	100	-	-8.16	-14.10	-44.34
Greene County, IN	Ozone	Maintenance	100	-	-15.37	-26.00	-55.21
Greene County, PA	Ozone	Maintenance	100	-	-10.58	-17.92	-39.55
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-104.57	-180.74	-568.11
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-47.01	-81.46	-265.14
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-195.88	-332.07	-740.89
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.17	-2.03	-6.99
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-9.65	-16.58	-47.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-37.33	-65.49	-250.61
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-37.01	-64.74	-239.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-39.38	-69.34	-277.34
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.44	-0.78	-3.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-2.44	-4.24	-14.15
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.16	-0.29	-1.26
Hazelwood, PA	SO _x	Maintenance	100	-	-4.12	-7.04	-18.79
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-10.40	-18.00	-57.90
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-18.57	-32.09	-100.71
Hollis Township, IL	SO _x	Maintenance	100	-	-0.07	-0.12	-0.54

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,474.94	-2,498.35	-5,475.56
Humphreys County, TN	SO _x	Maintenance	100	-	-0.67	-1.13	-2.49
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-164.20	-277.04	-554.61
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-135.23	-227.89	-443.70
Huron County, MI	Ozone	Maintenance	100	-	-3.93	-6.69	-16.33
Imperial County, CA	Ozone	Moderate	50	-	-10.32	-18.09	-68.86
Imperial Valley, CA	PM ₁₀	Serious	70	-	-10.09	-17.70	-67.39
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.67	-4.59	-13.19
Indianapolis, IN	CO	Maintenance	100	-	-0.10	-0.18	-0.45
Indianapolis, IN	Ozone	Maintenance	100	-	-152.31	-262.45	-787.74
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-116.06	-200.20	-610.43
Jackson County, IN	Ozone	Maintenance	100	-	-24.13	-40.82	-86.84
Jamestown, NY	Ozone	Former Subpart 1	50	-	-12.79	-21.97	-62.74
Jefferson County, NY	Ozone	Moderate	50	-	-4.82	-8.47	-33.45
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-2.17	-3.66	-7.76
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-56.26	-95.25	-206.71
Johnstown, PA	Ozone	Maintenance	100	-	-11.76	-20.04	-49.69
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-15.30	-26.02	-62.02
Juneau, AK	PM ₁₀	Moderate	100	-	-4.03	-6.82	-14.44
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-53.18	-90.95	-240.24
Kalispell, MT	PM ₁₀	Moderate	100	-	-5.81	-9.87	-22.92
Kansas City, MO-KS	Ozone	Maintenance	100	-	-227.97	-388.67	-971.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.23	-0.84	-23.35
Kent, WA	PM ₁₀	Maintenance	100	-	-2.15	-3.70	-10.84
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-6.79	-11.67	-33.53
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.46	-2.53	-8.16
King County, WA	PM ₁₀	Maintenance	100	-	-0.85	-1.46	-4.29
Klamath Falls, OR	CO	Maintenance	100	-	-9.65	-16.38	-37.26

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-9.65	-16.38	-37.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	-210.48	-357.86	-847.85
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-174.22	-295.96	-689.26
La Porte County, IN	SO _x	Maintenance	100	-	-6.91	-11.73	-26.42
LaGrande, OR	PM ₁₀	Maintenance	100	-	-3.81	-6.45	-14.10
Lake County, IN	SO _x	Maintenance	100	-	-37.61	-64.13	-160.55
Lake County, OH	SO _x	Maintenance	100	-	-0.95	-1.70	-8.20
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.31	-2.23	-4.96
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.20	-0.44	-6.11
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.59	-1.23	-13.90
Lake Tahoe, NV	CO	Maintenance	100	-	-0.86	-1.50	-5.71
Lamar, CO	PM ₁₀	Maintenance	100	-	-4.32	-7.28	-14.72
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.08	-0.14	-0.44
Lancaster, PA	Ozone	Maintenance	100	-	-10.93	-19.77	-103.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-10.93	-19.77	-103.31
Lane County, OR	PM ₁₀	Moderate	100	-	-0.20	-0.34	-0.82
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-15.67	-27.79	-120.69
LaPorte, IN	Ozone	Maintenance	100	-	-19.27	-32.67	-73.61
Las Vegas, NV	CO	Serious	100	-	-56.58	-100.25	-429.85
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-57.28	-101.49	-435.15
Lauderdale County, AL	SO _x	Maintenance	100	-	-2.70	-4.79	-20.98
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.32	-0.54	-1.24
Libby, MT	PM ₁₀	Moderate	100	-	-0.51	-0.87	-2.20
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.68	-1.16	-2.93
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.27	-2.18	-5.82
Lima, OH	Ozone	Maintenance	100	-	-44.25	-74.74	-153.59
Longmont, CO	CO	Maintenance	100	-	-1.18	-2.29	-18.91
Lorain County, OH	SO _x	Maintenance	100	-	-1.76	-3.10	-12.42

Appendix B

**Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-616.26	-1,085.42	-4,354.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-616.26	-1,085.42	-4,354.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-616.26	-1,085.42	-4,354.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-616.27	-1,085.43	-4,354.91
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-616.23	-1,085.36	-4,354.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-20.13	-36.09	-174.09
Louisville, KY-IN	Ozone	Maintenance	100	-	-67.77	-117.32	-377.56
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-68.64	-118.65	-373.41
Lowell, MA	CO	Maintenance	100	-	-3.16	-5.67	-27.74
Lucas County, OH	SO _x	Maintenance	100	-	-17.69	-30.61	-97.38
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-2.37	-4.16	-16.20
Macon, GA	Ozone	Maintenance	100	-	-43.10	-73.07	-163.50
Macon, GA	PM _{2.5}	Nonattainment	100	-	-42.76	-72.50	-162.11
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.31	-0.54	-1.38
Madison, WI	SO _x	Maintenance	100	-	-13.92	-24.23	-83.91
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.87	-1.50	-4.54
Manchester, NH	CO	Maintenance	100	-	-0.44	-0.96	-12.19
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.29	-4.15	-21.86
Marion County, IN	SO _x	Maintenance	100	-	-36.00	-61.44	-156.86
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-3.46	-6.21	-30.59
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-47.51	-80.88	-196.26
Mason County, MI	Ozone	Maintenance	100	-	-2.93	-5.01	-13.17
Medford, OR	CO	Maintenance	100	-	-1.52	-2.83	-17.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-3.66	-6.78	-42.88
Memphis, TN-AR	Ozone	Maintenance	100	-	-109.54	-187.10	-484.12
Memphis, TN	CO	Maintenance	100	-	-69.92	-120.24	-349.83
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.07	-3.58	-11.31

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Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.45	-0.77	-2.11
Milwaukee, WI	SO _x	Maintenance	100	-	-32.31	-55.87	-176.79
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-88.25	-153.90	-546.92
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-356.80	-609.13	-1,561.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-258.76	-443.97	-1,242.92
Missoula, MT	CO	Maintenance	100	-	-21.50	-36.34	-76.48
Missoula, MT	PM ₁₀	Moderate	100	-	-20.81	-35.18	-74.04
Modesto, CA	CO	Maintenance	100	-	-19.66	-34.13	-114.36
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-6.25	-10.87	-37.48
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.12	-0.21	-0.64
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.23	-0.40	-1.21
Morristown, NJ	CO	Maintenance	100	-	-0.92	-1.66	-8.37
Muhlenberg County, KY	SO _x	Maintenance	100	-	-4.77	-8.11	-18.97
Muncie, IN	Ozone	Maintenance	100	-	-34.84	-58.91	-124.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.66	-1.12	-2.77
Muscatine County, IA	SO _x	Maintenance	100	-	-2.47	-4.21	-10.02
Muskegon, MI	Ozone	Maintenance	100	-	-17.75	-30.24	-74.96
Nashua, NH	CO	Maintenance	100	-	-0.35	-0.77	-9.81
Nashville, TN	Ozone	Former Subpart 1	50	-	-93.63	-162.67	-550.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-4.87	-8.71	-41.45
New Haven County, CT	PM ₁₀	Maintenance	100	-	-19.36	-33.02	-83.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-92.38	-157.68	-402.45
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.41	-2.40	-5.24
New York County, NY	PM ₁₀	Moderate	100	-	-183.29	-309.56	-634.83
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-735.49	-1,260.28	-3,449.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,055.38	-1,819.99	-5,525.19
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,028.28	-1,774.01	-5,420.95
Nogales, AZ	PM ₁₀	Moderate	100	-	-2.47	-4.28	-14.08

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Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-150.08	-257.14	-702.56
Ogden, UT	CO	Maintenance	100	-	-2.43	-4.29	-17.86
Ogden, UT	PM ₁₀	Moderate	100	-	-2.43	-4.29	-17.86
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.11	-0.19	-0.65
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.76	-3.03	-8.43
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-5.99	-10.43	-36.26
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.28	-0.49	-1.57
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.06
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-22.54	-38.34	-91.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-24.06	-40.88	-96.06
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.33	-2.30	-7.28
Penns Grove, NJ	CO	Maintenance	100	-	-0.02	-0.04	-0.14
Peoria, IL	SO _x	Maintenance	100	-	-2.84	-5.06	-23.14
Perth Amboy, NJ	CO	Maintenance	100	-	-7.71	-13.24	-37.42
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-18.87	-32.82	-112.85
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-495.50	-846.58	-2,201.48
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-573.28	-983.73	-2,758.61
Phoenix, AZ	CO	Maintenance	100	-	-82.26	-155.61	-1,115.21
Phoenix, AZ	PM ₁₀	Serious	70	-	-86.13	-162.60	-1,150.85
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-86.38	-163.08	-1,154.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	-2.85	-4.82	-10.39
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.20	-0.33	-0.77
Pittsburgh, PA	CO	Maintenance	100	-	-2.74	-4.69	-12.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-179.45	-307.67	-850.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-151.01	-259.31	-736.24
Polk County, TN	SO _x	Maintenance	100	-	-3.98	-6.76	-15.49
Polson, MT	PM ₁₀	Moderate	100	-	-0.24	-0.42	-1.25
Portland, ME	Ozone	Maintenance	100	-	-35.29	-61.06	-194.94

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-57.33	-99.91	-351.93
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-8.25	-14.01	-32.11
Poughkeepsie, NY	Ozone	Moderate	50	-	-44.68	-79.67	-364.40
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.48	-2.52	-5.91
Providence (entire State), RI	Ozone	Moderate	50	-	-82.15	-141.22	-407.99
Provo, UT	CO	Maintenance	100	-	-8.55	-14.93	-53.56
Raleigh-Durham, NC	CO	Maintenance	100	-	-35.86	-64.57	-323.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-57.46	-102.41	-466.22
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.23	-0.39	-0.99
Reading, PA	Ozone	Maintenance	100	-	-20.80	-35.98	-114.50
Reading, PA	PM _{2.5}	Nonattainment	100	-	-20.80	-35.98	-114.50
Reno, NV	CO	Maintenance	100	-	-13.62	-23.65	-79.47
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.14	-0.24	-0.62
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-67.11	-116.56	-393.21
Rillito, AZ	PM ₁₀	Moderate	100	-	-2.96	-5.15	-17.57
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-3.48	-8.11	-123.54
Roanoke, VA	Ozone	Former Subpart 1	50	-	-34.28	-58.41	-144.95
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-7.54	-12.93	-35.99
Rochester, NY	Ozone	Former Subpart 1	50	-	-64.49	-112.49	-401.03
Rocky Mount, NC	Ozone	Maintenance	100	-	-18.73	-32.04	-85.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	-20.95	-35.59	-83.02
Ronan, MT	PM ₁₀	Moderate	100	-	-0.09	-0.16	-0.48
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.38	-0.65	-1.55
Sacramento County, CA	PM ₁₀	Moderate	100	-	-36.59	-66.71	-371.42
Sacramento Metro, CA	Ozone	Severe	25	-	-96.23	-171.34	-771.98
Sacramento, CA	CO	Maintenance	100	-	-40.02	-73.13	-414.07
Salem, OR	CO	Maintenance	100	-	-5.24	-9.20	-35.66
Salt Lake City, UT	CO	Maintenance	100	-	-11.95	-20.76	-70.42

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-37.63	-66.50	-277.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	-32.41	-57.73	-260.85
San Antonio, TX	Ozone	Former Subpart 1	50	-	-279.22	-475.48	-1,162.18
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-7.85	-14.59	-93.61
San Diego, CA	CO	Maintenance	100	-	-68.31	-128.95	-912.63
San Diego, CA	Ozone	Former Subpart 1	50	-	-68.43	-129.19	-914.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-476.40	-822.04	-2,519.08
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-489.84	-847.31	-2,692.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	-268.06	-466.42	-1,610.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-269.35	-468.65	-1,616.74
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-268.06	-466.42	-1,610.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.17	-2.08	-9.23
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.19	-0.33	-0.70
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-48.99	-84.41	-252.66
Seattle-Tacoma, WA	CO	Maintenance	100	-	-218.62	-377.20	-1,154.64
Sheboygan, WI	Ozone	Moderate	50	-	-7.23	-12.53	-40.93
Sheridan, WY	PM ₁₀	Moderate	100	-	-6.50	-11.00	-23.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.35	-0.64	-3.80
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-34.63	-59.61	-175.50
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-6.01	-10.56	-41.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	-29.04	-49.77	-137.28
Spokane, WA	CO	Maintenance	100	-	-28.71	-49.22	-135.76
Springfield (western MA), MA	Ozone	Moderate	50	-	-23.54	-42.27	-206.86
Springfield, MA	CO	Maintenance	100	-	-4.81	-8.53	-37.24
St. Louis, MO	CO	Maintenance	100	-	-176.19	-298.79	-671.55
St. Louis, MO-IL	Ozone	Moderate	50	-	-435.20	-740.54	-1,783.70
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-434.48	-739.28	-1,778.64

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-2.87	-5.37	-36.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-1.89	-3.25	-9.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-12.48	-21.11	-44.75
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-31.87	-53.86	-112.44
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-31.87	-53.86	-112.44
Stockton, CA	CO	Maintenance	100	-	-22.90	-40.12	-151.57
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-66.52	-113.37	-281.66
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.12	-0.50
Terre Haute, IN	Ozone	Maintenance	100	-	-28.43	-48.17	-106.54
Tioga County, PA	Ozone	Maintenance	100	-	-2.31	-4.05	-15.16
Toledo, OH	Ozone	Maintenance	100	-	-83.47	-141.98	-339.25
Toms River, NJ	CO	Maintenance	100	-	-2.25	-4.11	-23.47
Tooele County, UT	SO _x	Nonattainment	100	-	-14.42	-24.57	-60.60
Trenton, NJ	CO	Maintenance	100	-	-2.95	-5.23	-22.68
Trona, CA	PM ₁₀	Moderate	100	-	-0.06	-0.11	-0.73
Tucson, AZ	CO	Maintenance	100	-	-56.87	-98.87	-337.24
Utah County, UT	PM ₁₀	Moderate	100	-	-24.82	-43.32	-155.46
Vancouver, WA	CO	Maintenance	100	-	-13.33	-23.46	-93.52
Ventura County, CA	Ozone	Serious	50	-	-17.92	-33.00	-198.39
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-2.78	-4.69	-9.64
Vigo County, IN	SO _x	Maintenance	100	-	-28.43	-48.17	-106.54
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.48	-2.66	-13.01
Warren County, NJ	SO _x	Maintenance	100	-	-0.97	-1.74	-8.51
Warren County, PA	SO _x	Nonattainment	100	-	-0.78	-1.35	-4.40
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-33.37	-56.76	-135.44
Washington, DC-MD-VA	CO	Maintenance	100	-	-36.82	-66.77	-355.39

Appendix B

Table B.1-63
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-145.34	-261.76	-1,314.17
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-134.23	-242.69	-1,260.50
Washoe County, NV	PM ₁₀	Serious	70	-	-13.62	-23.65	-79.47
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.99	-1.68	-3.68
Wayne County, IN	SO _x	Maintenance	100	-	-12.38	-21.01	-48.24
Wayne County, MI	PM ₁₀	Maintenance	100	-	-26.23	-44.37	-94.36
Weirton, WV	PM ₁₀	Maintenance	100	-	-1.98	-3.35	-7.37
Weirton, WV	SO _x	Maintenance	100	-	-2.67	-4.52	-9.93
Wheeling, WV-OH	Ozone	Maintenance	100	-	-30.71	-52.06	-115.94
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-30.71	-52.06	-115.94
Winston-Salem, NC	CO	Maintenance	100	-	-28.28	-48.82	-150.72
Worcester, MA	CO	Maintenance	100	-	-4.21	-7.78	-48.22
Yakima County, WA	PM ₁₀	Maintenance	100	-	-12.76	-21.75	-54.08
Yakima, WA	CO	Maintenance	100	-	-5.75	-9.80	-24.37
York, PA	Ozone	Maintenance	100	-	-29.67	-51.30	-161.87
York, PA	PM _{2.5}	Nonattainment	100	-	-18.88	-32.84	-112.67
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-38.96	-67.32	-210.25
Yuma, AZ	PM ₁₀	Moderate	100	-	-13.53	-23.37	-72.73

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.38	-0.66	-1.60
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.20	-0.36	-1.62
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.21	-0.37	-1.68
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-94.40	-167.29	-605.25
Albuquerque, NM	CO	Maintenance	100	-	-34.22	-61.27	-246.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	-16.86	-29.51	-92.25
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-22.96	-42.23	-213.20
Altoona, PA	Ozone	Maintenance	100	-	-17.17	-29.61	-75.32
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.30	0.91	-51.13
Anchorage, AK	CO	Maintenance	100	-	-26.79	-46.32	-122.29
Anthony, NM	PM ₁₀	Moderate	100	-	-1.19	-2.06	-5.48
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.10	-1.30
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.20	-2.08	-5.63
Atlanta, GA	Ozone	Moderate	50	-	-385.45	-694.33	-2,953.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-385.90	-695.12	-2,955.10
Atlantic City, NJ	CO	Maintenance	100	-	-1.04	-2.03	-14.61
Bakersfield, CA	CO	Maintenance	100	-	-48.84	-85.59	-271.59
Baltimore, MD	CO	Maintenance	100	-	-1.58	-2.72	-7.21
Baltimore, MD	Ozone	Moderate	50	-	-70.62	-137.22	-969.39
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-70.62	-137.22	-969.38
Baton Rouge, LA	Ozone	Moderate	50	-	-278.40	-476.26	-1,053.77
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-498.16	-847.14	-1,668.46
Benton County, TN	SO _x	Maintenance	100	-	-0.52	-0.90	-1.90
Benton Harbor, MI	Ozone	Maintenance	100	-	-36.40	-62.58	-150.94
Benzie County, MI	Ozone	Maintenance	100	-	-3.39	-5.90	-17.43
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-21.22	-36.86	-104.23
Billings, MT	CO	Maintenance	100	-	-134.45	-228.49	-444.02
Birmingham, AL	Ozone	Maintenance	100	-	-70.39	-124.66	-447.53

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-70.97	-125.66	-450.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-61.40	-106.10	-278.23
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-61.40	-106.10	-278.23
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.11	-5.38	-14.73
Boston, MA	CO	Maintenance	100	-	-26.54	-49.60	-280.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-93.59	-187.18	-1,511.75
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-4.89	-12.08	-177.66
Boyd County (part), KY	SO _x	Maintenance	100	-	-9.40	-15.99	-31.90
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-63.39	-113.59	-460.21
Burlington, NJ	CO	Maintenance	100	-	-0.13	-0.25	-1.50
Butte, MT	PM ₁₀	Moderate	100	-	-10.77	-18.37	-38.09
Canon City, CO	PM ₁₀	Maintenance	100	-	-5.42	-9.32	-22.77
Canton-Massillon, OH	Ozone	Maintenance	100	-	-54.99	-94.76	-237.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-54.99	-94.76	-237.59
Case County, MI	Ozone	Maintenance	100	-	-6.97	-12.05	-31.83
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.24	-0.42	-0.97
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.22	-3.79	-8.18
Charleston, WV	Ozone	Maintenance	100	-	-15.34	-27.32	-104.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-15.34	-27.32	-104.10
Charlotte, NC	CO	Maintenance	100	-	-21.89	-41.64	-262.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-104.95	-187.90	-754.33
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-124.36	-213.84	-517.50
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-113.82	-195.76	-475.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-341.56	-620.11	-2,823.56
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-363.18	-658.15	-2,950.87
Chico, CA	CO	Maintenance	100	-	-7.10	-12.88	-58.22
Chico, CA	Ozone	Former Subpart 1	50	-	-14.87	-26.97	-121.98
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-107.76	-193.75	-809.75

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Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-99.18	-178.84	-767.40
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.49	-2.59	-7.13
Clark County, NV	PM ₁₀	Serious	70	-	-41.64	-80.65	-560.08
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-68.93	-118.49	-285.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-40.79	-70.15	-169.87
Cleveland, OH	CO	Maintenance	100	-	-69.00	-121.31	-401.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-120.23	-217.31	-952.78
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-110.80	-200.17	-873.98
Coachella Valley, CA	PM ₁₀	Serious	70	-	7.15	7.55	-173.05
Colbert County, AL	SO _x	Maintenance	100	-	-12.54	-21.55	-51.30
Colorado Springs, CO	CO	Maintenance	100	-	-77.85	-135.79	-406.42
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.21	-2.08	-5.35
Columbia, SC	Ozone	Former Subpart 1	50	-	-137.00	-236.04	-590.09
Columbus, OH	Ozone	Maintenance	100	-	-124.29	-221.13	-834.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-103.88	-185.80	-739.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.20	-0.35	-1.16
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.14
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-69.00	-121.31	-401.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	-71.95	-125.73	-385.37
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-347.29	-633.23	-2,986.94
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-61.14	-107.90	-372.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-53.04	-93.66	-325.42
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-71.98	-140.53	-1,016.59
Denver-Boulder, CO	CO	Maintenance	100	-	-71.68	-139.21	-980.72
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-162.56	-298.02	-1,467.49
Detroit, MI	CO	Maintenance	100	-	-170.20	-295.37	-824.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-333.40	-590.86	-2,138.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-317.29	-563.05	-2,067.27

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Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.35	-0.82	-10.49
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.79	-3.21	-13.42
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-1.47	-2.65	-11.06
Duluth, MN	CO	Maintenance	100	-	-16.66	-28.66	-69.88
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.72	-2.98	-7.87
East Chicago, IN	CO	Maintenance	100	-	-0.14	-0.24	-0.65
East Chicago, IN	PM ₁₀	Maintenance	100	-	-96.74	-165.15	-351.50
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.19	-0.33	-0.85
El Paso County, TX	PM ₁₀	Moderate	100	-	-47.30	-83.06	-270.34
El Paso, TX	CO	Maintenance	100	-	-2.14	-3.79	-13.93
Erie, PA	Ozone	Maintenance	100	-	-15.61	-27.63	-98.76
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.04	-0.08	-0.57
Eugene-Springfield, OR	CO	Maintenance	100	-	-43.22	-74.66	-194.43
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-41.53	-71.74	-186.82
Evansville, IN	Ozone	Maintenance	100	-	-26.10	-45.63	-140.68
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-44.07	-76.46	-212.88
Fairbanks, AK	CO	Maintenance	100	-	-5.42	-9.31	-21.89
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-11.81	-21.65	-106.70
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.56	-2.70	-6.94
Flint, MI	Ozone	Maintenance	100	-	-31.55	-56.21	-215.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.25	-0.44	-0.96
Fort Collins, CO	CO	Maintenance	100	-	-16.42	-28.99	-100.64
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.15	-0.25	-0.60
Fort Wayne, IN	Ozone	Maintenance	100	-	-79.41	-136.73	-338.11
Franklin County, PA	Ozone	Maintenance	100	-	-25.93	-44.86	-119.69
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.19	-0.33	-0.78
Frederick County, VA	Ozone	Former Subpart 1	50	-	-43.52	-74.56	-169.22
Fredericksburg, VA	Ozone	Maintenance	100	-	-37.90	-67.02	-236.70

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.43	-0.86	-6.75
Fresno, CA	CO	Maintenance	100	-	-11.40	-22.97	-191.89
Grand Rapids, MI	Ozone	Maintenance	100	-	-67.40	-119.16	-419.74
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-5.61	-9.70	-25.77
Grant County, NM	SO _x	Maintenance	100	-	-0.71	-1.22	-2.77
Grants Pass, OR	CO	Maintenance	100	-	-0.09	-0.15	-0.40
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-6.43	-11.12	-29.56
Great Falls, MT	CO	Maintenance	100	-	-6.35	-10.86	-23.71
Greater Connecticut, CT	Ozone	Moderate	50	-	-75.62	-136.84	-606.00
Greeley, CO	CO	Maintenance	100	-	-27.20	-46.89	-118.10
Green Bay, WI	SO _x	Maintenance	100	-	-8.02	-14.30	-54.94
Greene County, IN	Ozone	Maintenance	100	-	-19.04	-32.57	-71.82
Greene County, PA	Ozone	Maintenance	100	-	-13.04	-22.36	-51.31
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-107.27	-190.66	-711.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-47.37	-84.57	-330.52
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-219.75	-377.39	-894.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.20	-2.15	-8.92
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-11.03	-19.34	-62.20
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-34.81	-64.07	-324.93
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-35.20	-64.34	-309.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-38.82	-71.25	-353.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.37	-0.70	-3.95
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-2.39	-4.31	-18.59
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.20	-0.36	-1.79
Hazelwood, PA	SO _x	Maintenance	100	-	-5.89	-10.21	-28.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-10.95	-19.46	-72.39
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-20.37	-36.07	-129.11
Hollis Township, IL	SO _x	Maintenance	100	-	-0.06	-0.11	-0.68

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,712.69	-2,938.47	-6,847.27
Humphreys County, TN	SO _x	Maintenance	100	-	-0.84	-1.44	-3.32
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-204.66	-348.70	-713.67
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-170.48	-289.97	-573.53
Huron County, MI	Ozone	Maintenance	100	-	-4.75	-8.21	-21.19
Imperial County, CA	Ozone	Moderate	50	-	-8.20	-15.36	-87.65
Imperial Valley, CA	PM ₁₀	Serious	70	-	-8.03	-15.03	-85.85
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.24	-3.97	-14.31
Indianapolis, IN	CO	Maintenance	100	-	-0.10	-0.18	-0.50
Indianapolis, IN	Ozone	Maintenance	100	-	-162.37	-287.11	-1,014.25
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-122.61	-217.29	-786.23
Jackson County, IN	Ozone	Maintenance	100	-	-29.12	-49.82	-110.23
Jamestown, NY	Ozone	Former Subpart 1	50	-	-14.87	-26.04	-81.92
Jefferson County, NY	Ozone	Moderate	50	-	-4.60	-8.47	-42.86
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-2.63	-4.49	-9.70
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-67.66	-115.88	-262.00
Johnstown, PA	Ozone	Maintenance	100	-	-14.45	-24.92	-63.15
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-18.69	-32.15	-78.34
Juneau, AK	PM ₁₀	Moderate	100	-	-4.95	-8.47	-18.99
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-61.37	-106.76	-308.11
Kalispell, MT	PM ₁₀	Moderate	100	-	-6.31	-10.88	-28.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-259.86	-450.61	-1,242.44
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.53	1.75	-31.41
Kent, WA	PM ₁₀	Maintenance	100	-	-2.35	-4.15	-14.42
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-5.86	-10.39	-37.44
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.66	-2.94	-10.66
King County, WA	PM ₁₀	Maintenance	100	-	-0.90	-1.59	-5.53
Klamath Falls, OR	CO	Maintenance	100	-	-11.53	-19.81	-47.42

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-11.53	-19.81	-47.42
Knoxville, TN	Ozone	Former Subpart 1	50	-	-230.81	-398.91	-1,047.61
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-192.70	-332.45	-849.20
La Porte County, IN	SO _x	Maintenance	100	-	-8.06	-13.84	-32.68
LaGrande, OR	PM ₁₀	Maintenance	100	-	-4.64	-7.95	-18.19
Lake County, IN	SO _x	Maintenance	100	-	-42.31	-73.26	-197.88
Lake County, OH	SO _x	Maintenance	100	-	-0.88	-1.67	-10.68
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.64	-2.82	-6.50
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.35	0.36	-8.86
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.43	0.19	-21.34
Lake Tahoe, NV	CO	Maintenance	100	-	-0.87	-1.59	-7.34
Lamar, CO	PM ₁₀	Maintenance	100	-	-7.54	-12.83	-25.88
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.53
Lancaster, PA	Ozone	Maintenance	100	-	-8.08	-16.24	-134.29
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-8.08	-16.24	-134.29
Lane County, OR	PM ₁₀	Moderate	100	-	-0.19	-0.33	-0.86
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-15.01	-28.06	-158.60
LaPorte, IN	Ozone	Maintenance	100	-	-22.34	-38.36	-90.61
Las Vegas, NV	CO	Serious	100	-	-41.64	-80.65	-560.08
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-42.08	-81.49	-565.88
Lauderdale County, AL	SO _x	Maintenance	100	-	-2.53	-4.72	-26.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.35	-0.61	-1.50
Libby, MT	PM ₁₀	Moderate	100	-	-0.59	-1.02	-2.74
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.79	-1.36	-3.66
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.49	-2.59	-7.13
Lima, OH	Ozone	Maintenance	100	-	-54.99	-93.85	-198.26
Longmont, CO	CO	Maintenance	100	-	-0.23	-0.99	-26.54
Lorain County, OH	SO _x	Maintenance	100	-	-1.70	-3.13	-16.14

Appendix B

**Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-586.08	-1,086.29	-5,797.07
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-586.08	-1,086.29	-5,797.07
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-586.08	-1,086.29	-5,797.07
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-586.09	-1,086.31	-5,797.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-586.04	-1,086.23	-5,796.80
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-17.28	-33.57	-236.50
Louisville, KY-IN	Ozone	Maintenance	100	-	-71.04	-126.41	-477.68
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-72.81	-129.13	-470.91
Lowell, MA	CO	Maintenance	100	-	-3.02	-5.80	-38.75
Lucas County, OH	SO _x	Maintenance	100	-	-22.38	-39.40	-132.55
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-2.47	-4.50	-20.71
Macon, GA	Ozone	Maintenance	100	-	-51.19	-87.83	-204.74
Macon, GA	PM _{2.5}	Nonattainment	100	-	-50.83	-87.21	-203.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.35	-0.61	-1.69
Madison, WI	SO _x	Maintenance	100	-	-13.24	-24.04	-109.69
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.06	-1.88	-6.89
Manchester, NH	CO	Maintenance	100	-	0.16	-0.08	-14.53
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.04	-3.97	-28.43
Marion County, IN	SO _x	Maintenance	100	-	-41.49	-71.92	-197.56
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.56	-5.15	-42.54
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-51.66	-89.39	-238.92
Mason County, MI	Ozone	Maintenance	100	-	-3.38	-5.88	-17.06
Medford, OR	CO	Maintenance	100	-	-0.74	-1.78	-24.55
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.80	-4.30	-59.23
Memphis, TN-AR	Ozone	Maintenance	100	-	-129.22	-224.14	-621.04
Memphis, TN	CO	Maintenance	100	-	-81.33	-142.55	-453.73
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.07	-3.70	-14.70

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Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.45	-0.78	-2.41
Milwaukee, WI	SO _x	Maintenance	100	-	-38.17	-67.41	-235.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-90.76	-163.90	-712.90
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-404.87	-703.57	-2,000.75
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-282.48	-495.44	-1,591.12
Missoula, MT	CO	Maintenance	100	-	-24.73	-42.31	-93.61
Missoula, MT	PM ₁₀	Moderate	100	-	-23.92	-40.93	-90.56
Modesto, CA	CO	Maintenance	100	-	-20.37	-36.66	-154.59
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-5.73	-10.45	-49.31
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.13	-0.24	-0.86
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.23	-0.40	-1.44
Morristown, NJ	CO	Maintenance	100	-	-0.84	-1.66	-12.22
Muhlenberg County, KY	SO _x	Maintenance	100	-	-5.83	-10.04	-24.54
Muncie, IN	Ozone	Maintenance	100	-	-43.49	-74.29	-159.96
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-1.35	-2.33	-5.67
Muscatine County, IA	SO _x	Maintenance	100	-	-3.12	-5.39	-13.61
Muskegon, MI	Ozone	Maintenance	100	-	-20.46	-35.42	-95.61
Nashua, NH	CO	Maintenance	100	-	0.13	-0.06	-11.86
Nashville, TN	Ozone	Former Subpart 1	50	-	-89.85	-162.14	-700.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-3.50	-7.04	-58.43
New Haven County, CT	PM ₁₀	Maintenance	100	-	-25.32	-43.85	-118.84
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-106.67	-184.99	-510.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-2.59	-4.42	-9.48
New York County, NY	PM ₁₀	Moderate	100	-	-220.12	-375.60	-791.67
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-836.81	-1,460.85	-4,420.37
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,159.04	-2,047.02	-7,133.40
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,128.21	-1,993.96	-7,003.61
Nogales, AZ	PM ₁₀	Moderate	100	-	-2.32	-4.18	-17.54

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Table B.1-64
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Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-172.62	-301.28	-908.76
Ogden, UT	CO	Maintenance	100	-	-2.11	-3.94	-22.20
Ogden, UT	PM ₁₀	Moderate	100	-	-2.11	-3.94	-22.20
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.70
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.57	-2.76	-9.08
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-5.28	-9.64	-45.82
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.73	-1.28	-3.71
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-27.41	-47.24	-118.32
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-30.24	-52.04	-127.54
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.29	-2.31	-9.17
Penns Grove, NJ	CO	Maintenance	100	-	-0.02	-0.04	-0.18
Peoria, IL	SO _x	Maintenance	100	-	-2.64	-4.98	-29.47
Perth Amboy, NJ	CO	Maintenance	100	-	-9.60	-16.84	-54.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-19.97	-35.68	-140.52
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-579.42	-1,006.42	-2,842.38
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-649.97	-1,137.49	-3,553.77
Phoenix, AZ	CO	Maintenance	100	-	-5.53	-45.07	-1,543.88
Phoenix, AZ	PM ₁₀	Serious	70	-	-7.64	-49.55	-1,589.38
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-7.66	-49.68	-1,593.28
Pierce County, WA	PM ₁₀	Maintenance	100	-	-3.37	-5.77	-12.83
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.23	-0.39	-0.92
Pittsburgh, PA	CO	Maintenance	100	-	-4.71	-8.17	-22.50
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-209.94	-366.33	-1,101.88
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-177.22	-309.94	-960.14
Polk County, TN	SO _x	Maintenance	100	-	-4.87	-8.36	-20.14
Polson, MT	PM ₁₀	Moderate	100	-	-0.28	-0.50	-1.76
Portland, ME	Ozone	Maintenance	100	-	-37.57	-66.81	-250.84

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Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-55.25	-99.95	-441.17
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-9.70	-16.68	-40.38
Poughkeepsie, NY	Ozone	Moderate	50	-	-37.47	-72.30	-492.60
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.84	-3.16	-7.68
Providence (entire State), RI	Ozone	Moderate	50	-	-94.02	-165.12	-538.53
Provo, UT	CO	Maintenance	100	-	-7.29	-13.41	-67.79
Raleigh-Durham, NC	CO	Maintenance	100	-	-22.34	-45.99	-416.79
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-41.16	-80.80	-599.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.26	-0.45	-1.19
Reading, PA	Ozone	Maintenance	100	-	-21.65	-38.50	-144.81
Reading, PA	PM _{2.5}	Nonattainment	100	-	-21.65	-38.50	-144.81
Reno, NV	CO	Maintenance	100	-	-13.09	-23.54	-98.97
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.23	-0.40	-1.07
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-66.05	-118.68	-493.55
Rillito, AZ	PM ₁₀	Moderate	100	-	-2.85	-5.17	-23.33
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	7.15	7.55	-173.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	-37.97	-65.75	-177.81
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-7.60	-13.36	-43.95
Rochester, NY	Ozone	Former Subpart 1	50	-	-69.08	-124.36	-526.18
Rocky Mount, NC	Ozone	Maintenance	100	-	-21.40	-37.25	-108.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	-24.34	-41.93	-104.32
Ronan, MT	PM ₁₀	Moderate	100	-	-0.11	-0.19	-0.66
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.40	-0.69	-1.80
Sacramento County, CA	PM ₁₀	Moderate	100	-	-23.57	-50.28	-515.21
Sacramento Metro, CA	Ozone	Severe	25	-	-74.32	-145.19	-1,053.13
Sacramento, CA	CO	Maintenance	100	-	-23.06	-50.71	-568.85
Salem, OR	CO	Maintenance	100	-	-4.78	-8.80	-44.41
Salt Lake City, UT	CO	Maintenance	100	-	-11.95	-21.50	-90.85

Appendix B

Table B.1-64
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-32.11	-60.38	-354.99
Salt Lake County, UT	SO _x	Nonattainment	100	-	-25.49	-49.16	-333.98
San Antonio, TX	Ozone	Former Subpart 1	50	-	-296.87	-514.59	-1,411.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.93	-7.56	-119.67
San Diego, CA	CO	Maintenance	100	-	-23.06	-66.68	-1,251.92
San Diego, CA	Ozone	Former Subpart 1	50	-	-23.10	-66.80	-1,254.37
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-499.37	-886.77	-3,279.38
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-505.68	-902.29	-3,505.40
San Joaquin Valley, CA	Ozone	Extreme	10	-	-249.70	-454.42	-2,110.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-250.60	-456.01	-2,116.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-249.70	-454.42	-2,110.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.82	-1.61	-11.90
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.24	-0.41	-0.91
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-55.76	-98.18	-330.50
Seattle-Tacoma, WA	CO	Maintenance	100	-	-220.92	-392.61	-1,463.59
Sheboygan, WI	Ozone	Moderate	50	-	-7.54	-13.47	-53.03
Sheridan, WY	PM ₁₀	Moderate	100	-	-7.04	-12.06	-27.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.21	-0.45	-4.95
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-37.74	-66.46	-223.63
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-5.35	-9.72	-44.70
Spokane County, WA	PM ₁₀	Maintenance	100	-	-29.78	-52.28	-169.63
Spokane, WA	CO	Maintenance	100	-	-29.43	-51.66	-167.62
Springfield (western MA), MA	Ozone	Moderate	50	-	-21.52	-41.29	-273.07
Springfield, MA	CO	Maintenance	100	-	-5.26	-9.77	-52.71
St. Louis, MO	CO	Maintenance	100	-	-225.48	-386.48	-885.67
St. Louis, MO-IL	Ozone	Moderate	50	-	-515.71	-889.80	-2,275.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-515.05	-888.58	-2,269.36

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.64	-3.81	-48.98
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-1.92	-3.39	-11.83
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-16.32	-27.88	-60.18
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-39.80	-67.96	-145.11
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-39.80	-67.96	-145.11
Stockton, CA	CO	Maintenance	100	-	-23.44	-43.03	-214.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-80.14	-138.56	-365.69
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.74
Terre Haute, IN	Ozone	Maintenance	100	-	-33.58	-57.56	-132.02
Tioga County, PA	Ozone	Maintenance	100	-	-2.52	-4.54	-19.54
Toledo, OH	Ozone	Maintenance	100	-	-101.03	-174.16	-438.81
Toms River, NJ	CO	Maintenance	100	-	-1.60	-3.36	-32.98
Tooele County, UT	SO _x	Nonattainment	100	-	-15.10	-26.20	-72.83
Trenton, NJ	CO	Maintenance	100	-	-2.91	-5.44	-30.51
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.06	-1.00
Tucson, AZ	CO	Maintenance	100	-	-52.09	-94.46	-426.41
Utah County, UT	PM ₁₀	Moderate	100	-	-20.80	-38.26	-193.46
Vancouver, WA	CO	Maintenance	100	-	-10.76	-20.28	-121.06
Ventura County, CA	Ozone	Serious	50	-	-10.50	-23.45	-274.70
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-3.52	-6.00	-12.60
Vigo County, IN	SO _x	Maintenance	100	-	-33.58	-57.56	-132.02
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.33	-2.55	-17.06
Warren County, NJ	SO _x	Maintenance	100	-	-0.91	-1.75	-11.50
Warren County, PA	SO _x	Nonattainment	100	-	-1.04	-1.82	-6.05
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-36.85	-63.64	-165.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-35.64	-69.56	-502.23

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-100.20	-202.59	-1,712.32
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-88.03	-181.18	-1,641.36
Washoe County, NV	PM ₁₀	Serious	70	-	-13.09	-23.54	-98.97
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.20	-2.06	-4.71
Wayne County, IN	SO _x	Maintenance	100	-	-17.13	-29.38	-67.98
Wayne County, MI	PM ₁₀	Maintenance	100	-	-47.44	-81.15	-179.53
Weirton, WV	PM ₁₀	Maintenance	100	-	-2.78	-4.75	-10.24
Weirton, WV	SO _x	Maintenance	100	-	-3.96	-6.77	-14.57
Wheeling, WV-OH	Ozone	Maintenance	100	-	-38.04	-65.20	-149.16
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-38.04	-65.20	-149.16
Winston-Salem, NC	CO	Maintenance	100	-	-28.46	-50.56	-188.06
Worcester, MA	CO	Maintenance	100	-	-3.15	-6.70	-68.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	-13.76	-23.87	-66.13
Yakima, WA	CO	Maintenance	100	-	-6.79	-11.78	-32.64
York, PA	Ozone	Maintenance	100	-	-30.06	-53.58	-205.94
York, PA	PM _{2.5}	Nonattainment	100	-	-17.99	-32.51	-142.56
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-44.99	-79.30	-270.23
Yuma, AZ	PM ₁₀	Moderate	100	-	-12.57	-22.52	-90.69

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	0.13
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.20	0.66
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.20	0.66
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.06	0.09	0.30
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.09	0.30
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	-0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.54	-0.75	-1.34
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	0.10

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Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.03	0.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.11	0.16	0.51
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.12
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	0.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.05	0.16
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.15	0.21	0.71
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.22	0.73
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.06	0.20

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.19
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.04	0.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Cleveland, OH	CO	Maintenance	100	-	0.02	0.03	0.10
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.08	0.26
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	0.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.06
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.05	0.17
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	0.10
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.02	0.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.14	0.21	0.68
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.03	0.09
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.06	0.09	0.29
Denver-Boulder, CO	CO	Maintenance	100	-	0.06	0.09	0.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.08	0.11	0.35
Detroit, MI	CO	Maintenance	100	-	0.03	0.05	0.16
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.10	0.14	0.47
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.14	0.46

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.04

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.02	0.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.05	0.17
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.05	0.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.03	0.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	0.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.63	-0.88	-1.32
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.06	0.20
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.16
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.05	0.17
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.12
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.03	0.04	0.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.04	0.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.26	0.37	1.36
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.26	0.37	1.36
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.26	0.37	1.36
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.26	0.37	1.36
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.26	0.37	1.36
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	0.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	0.10
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	0.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.05	0.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.03	0.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.06	0.08	0.28
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	0.16
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.02	0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.17	0.24	0.79
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.32	0.45	1.50
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.32	0.45	1.49
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.05	0.16
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.10	0.14	0.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.14	0.20	0.66
Phoenix, AZ	CO	Maintenance	100	-	0.09	0.13	0.44
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	0.14	0.46
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	0.14	0.46
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.06	0.20
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.19
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.06

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	0.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.04	0.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	0.10
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.04	0.13
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.05	0.18
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.04	0.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	0.14
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	0.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.08	0.26
Sacramento, CA	CO	Maintenance	100	-	0.03	0.05	0.16
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.05	-0.08

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.02	0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	0.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.06	0.18
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.09	0.12	0.40
San Diego, CA	Ozone	Former Subpart 1	50	-	0.09	0.12	0.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.13	0.19	0.63
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.15	0.22	0.71
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.08	0.11	0.41
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.08	0.12	0.41
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.08	0.11	0.41
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.06	0.09	0.30
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.09
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	0.02	0.03	0.10
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.09	0.30
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.09	0.30

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.06
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	0.10
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.02	0.02	0.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.05	0.16

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**Table B.1-65
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.11	0.16	0.53
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.11	0.16	0.52
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.04
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	0.11	0.31
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.05	0.14
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.05	0.14
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.34	0.59	1.60
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.34	0.59	1.60
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.15	0.26	0.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.15	0.26	0.71
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.08	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.17	-1.82	-2.90
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.05	0.09	0.24

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.24
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.03	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.04	0.07	0.20
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.26	0.45	1.22
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.06	0.16
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.10	0.28
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.03	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Charlotte, NC	CO	Maintenance	100	-	0.04	0.06	0.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.08	0.14	0.39
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.12
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.36	0.62	1.69
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.38	0.64	1.75
Chico, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.10	0.17	0.47

Appendix B

**Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.17	0.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.08	0.13	0.36
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Cleveland, OH	CO	Maintenance	100	-	0.05	0.08	0.22
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.13	0.23	0.61
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.21	0.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.15
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.05	0.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.16
Columbus, OH	Ozone	Maintenance	100	-	0.09	0.15	0.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	0.08	0.22
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.07	0.18
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.36	0.61	1.67
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.07	0.20
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.15	0.26	0.71
Denver-Boulder, CO	CO	Maintenance	100	-	0.15	0.25	0.68
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.19	0.32	0.86
Detroit, MI	CO	Maintenance	100	-	0.08	0.14	0.38
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.24	0.41	1.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.23	0.40	1.08

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.04	0.12
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.03	0.05	0.12
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.03	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.10

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**Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.03	0.05	0.14
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.07	0.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.14	0.39
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.08	0.14	0.39
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.19
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.08	0.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.08	0.20
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.19
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.09	0.25
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.33	-2.03	-2.75
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.10	0.18	0.48
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.38
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.04	0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.09	0.15	0.40
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.06	0.10	0.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.22
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.04	0.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.04	0.11
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.08	0.13	0.36
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.13	0.36
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.65	1.13	3.31
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.65	1.13	3.31
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.65	1.13	3.31
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.65	1.13	3.31
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.65	1.13	3.31
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.06	0.17
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.10	0.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.26
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	0.09	0.24
Memphis, TN	CO	Maintenance	100	-	0.05	0.08	0.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.05	0.13
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.09	0.16	0.43
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	0.13	0.48
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.14	0.25	0.67
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Modesto, CA	CO	Maintenance	100	-	0.02	0.03	0.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.08	0.14	0.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.07	0.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.04	0.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.40	0.69	1.87
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.76	1.30	3.55
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.76	1.29	3.52
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

Appendix B

Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.14	0.38
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.03	0.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.23	0.39	1.06
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.33	0.57	1.56
Phoenix, AZ	CO	Maintenance	100	-	0.24	0.41	1.13
Phoenix, AZ	PM ₁₀	Serious	70	-	0.25	0.43	1.16
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.25	0.43	1.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	0.18	0.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.16	0.44
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.05	0.13

Appendix B

Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.06	0.10	0.27
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.07	0.12	0.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.09	0.24
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.07	0.11	0.31
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.09	0.16	0.42
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.03	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.11	0.29
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.15
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.12	0.32
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.08	0.13	0.36
Sacramento Metro, CA	Ozone	Severe	25	-	0.14	0.24	0.64
Sacramento, CA	CO	Maintenance	100	-	0.09	0.15	0.40
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.07	-0.11	-0.16

Appendix B

Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.03	-0.04	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.09	0.25
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.10	0.16	0.44
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.10
San Diego, CA	CO	Maintenance	100	-	0.21	0.36	0.99
San Diego, CA	Ozone	Former Subpart 1	50	-	0.21	0.37	0.99
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.33	0.56	1.53
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.37	0.64	1.73
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.21	0.35	1.02
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.21	0.36	1.02
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.21	0.35	1.02
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.06	0.16
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.15	0.26	0.71
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.04	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.07
Spokane, WA	CO	Maintenance	100	-	0.02	0.03	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.08	0.21
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.03
St. Louis, MO	CO	Maintenance	100	-	0.05	0.08	0.22
St. Louis, MO-IL	Ozone	Moderate	50	-	0.15	0.26	0.71
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.15	0.26	0.70

Appendix B

Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.04	0.11
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.04	0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.05	0.13
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.09	0.24
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.04	0.12
Vancouver, WA	CO	Maintenance	100	-	0.02	0.03	0.07
Ventura County, CA	Ozone	Serious	50	-	0.04	0.07	0.20
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.08	0.14	0.37

Appendix B

**Table B.1-66
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.28	0.47	1.29
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.27	0.46	1.26
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.10
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.04	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.06	0.15
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.27	0.51	0.03
Albuquerque, NM	CO	Maintenance	100	-	0.12	0.23	0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.06	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.13	0.23	0.02
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.04	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.08	0.01
Anchorage, AK	CO	Maintenance	100	-	0.03	0.06	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	1.50	2.76	0.19
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.50	2.76	0.19
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.02	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.03	0.07	-0.16
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.65	1.21	0.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.65	1.21	0.08
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.07	-0.53
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.75	-4.53	-7.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.03	0.06	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.06	0.00
Billings, MT	CO	Maintenance	100	-	0.02	0.03	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.21	0.38	0.03

Appendix B

Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.21	0.39	0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.07	0.13	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.07	0.13	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Boston, MA	CO	Maintenance	100	-	0.18	0.33	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.09	2.01	0.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.14	0.26	0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.24	0.44	0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.06	0.11	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.01
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.05	0.10	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.01
Charlotte, NC	CO	Maintenance	100	-	0.17	0.31	0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.37	0.68	0.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.11	0.21	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.10	0.19	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.54	2.84	0.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.59	2.93	0.20
Chico, CA	CO	Maintenance	100	-	0.03	0.05	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.11	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.42	0.78	0.05

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.41	0.75	0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.35	0.66	0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.11	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.07	0.00
Cleveland, OH	CO	Maintenance	100	-	0.18	0.33	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.53	0.98	0.07
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.49	0.90	0.06
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.16	0.29	0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.14	0.25	0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.14	0.26	0.02
Columbus, OH	Ozone	Maintenance	100	-	0.38	0.70	0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.35	0.65	0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.18	0.33	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.15	0.28	0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.60	2.95	0.20
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.17	0.31	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.27	0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.67	1.25	0.08
Denver-Boulder, CO	CO	Maintenance	100	-	0.65	1.19	0.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.81	1.50	0.10
Detroit, MI	CO	Maintenance	100	-	0.31	0.57	0.04
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.98	1.81	0.12
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.96	1.77	0.12

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.03	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.04	0.08	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.11	0.20	0.01
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	0.00
Erie, PA	Ozone	Maintenance	100	-	0.05	0.09	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.09	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.09	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.10	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.12	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.06	0.12	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.11	0.20	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.08	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.08	0.14	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.06	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.18	0.01

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.00
Fresno, CA	CO	Maintenance	100	-	0.13	0.25	0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.18	0.33	0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.34	0.63	0.04
Greeley, CO	CO	Maintenance	100	-	0.03	0.05	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.05	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.34	0.63	0.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.17	0.31	0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.18	0.34	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.05	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.19	0.35	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.32	0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.22	0.40	0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.06	0.11	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2.64	-4.11	-9.89
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.03	0.06	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.09	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.09	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.44	0.81	0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.35	0.64	0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.03	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.05	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.04	0.08	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.10	0.19	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.37	0.68	0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.06	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	0.00

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.27	0.50	0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.21	0.38	0.03
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.06	0.11	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.03	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.10	0.18	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.18	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.10	0.19	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.04	0.00
Las Vegas, NV	CO	Serious	100	-	0.35	0.66	0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.36	0.66	0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.02	0.04	0.00
Longmont, CO	CO	Maintenance	100	-	0.02	0.04	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.00

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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.09	5.77	-0.40
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.09	5.77	-0.40
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.09	5.77	-0.40
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.09	5.77	-0.40
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.09	5.77	-0.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.16	0.29	0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.23	0.43	0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.41	0.03
Lowell, MA	CO	Maintenance	100	-	0.03	0.05	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.06	0.11	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Macon, GA	Ozone	Maintenance	100	-	0.04	0.08	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.06	0.10	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.03	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.04	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.06	0.12	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.12	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.03	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.08	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.20	0.37	0.03
Memphis, TN	CO	Maintenance	100	-	0.18	0.34	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.00

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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.11	0.20	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.38	0.70	0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.44	0.84	-0.42
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.61	1.13	0.08
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.00
Modesto, CA	CO	Maintenance	100	-	0.07	0.14	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.05	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.02	0.04	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.05	0.00
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.36	0.67	0.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.07	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.06	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.16	0.30	0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.09	0.17	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.62	3.00	0.20
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.13	5.78	0.39
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.10	5.73	0.39
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.33	0.61	0.04
Ogden, UT	CO	Maintenance	100	-	0.01	0.03	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.03	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.05	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.04	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.03	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.08	0.14	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.92	1.70	0.12
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.36	2.51	0.17
Phoenix, AZ	CO	Maintenance	100	-	1.20	2.22	0.15
Phoenix, AZ	PM ₁₀	Serious	70	-	1.23	2.28	0.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.24	2.29	0.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.41	0.75	0.05
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.37	0.69	0.05
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.12	0.22	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.24	0.44	0.01
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.32	0.58	0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.21	0.39	0.03
Provo, UT	CO	Maintenance	100	-	0.04	0.07	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.30	0.55	0.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.40	0.74	0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.07	0.13	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.13	0.01
Reno, NV	CO	Maintenance	100	-	0.05	0.10	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.26	0.48	0.03
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.16	0.29	0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.10	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.28	0.52	0.03
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	0.07	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.36	0.67	0.05
Sacramento Metro, CA	Ozone	Severe	25	-	0.66	1.22	0.08
Sacramento, CA	CO	Maintenance	100	-	0.40	0.75	0.05
Salem, OR	CO	Maintenance	100	-	0.03	0.05	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.16	-0.25	-0.52

Appendix B

Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.08	-0.50
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.22	0.41	0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.41	0.76	0.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.10	0.18	0.01
San Diego, CA	CO	Maintenance	100	-	0.98	1.81	0.12
San Diego, CA	Ozone	Former Subpart 1	50	-	0.98	1.81	0.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.45	2.68	0.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.63	3.02	0.20
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.02	1.89	-0.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.02	1.90	-0.04
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.02	1.89	-0.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.14	0.26	0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.66	1.22	0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.05	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.09	0.17	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.06	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.12	0.01
Spokane, WA	CO	Maintenance	100	-	0.06	0.12	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.19	0.35	0.02
Springfield, MA	CO	Maintenance	100	-	0.03	0.06	0.00
St. Louis, MO	CO	Maintenance	100	-	0.17	0.32	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.60	1.11	0.07
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.60	1.10	0.07

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.07	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.03	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.00
Stockton, CA	CO	Maintenance	100	-	0.11	0.21	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.10	0.19	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.05	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.11	0.20	0.01
Toms River, NJ	CO	Maintenance	100	-	0.02	0.04	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.04	0.00
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.22	0.41	0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.11	0.20	0.01
Vancouver, WA	CO	Maintenance	100	-	0.07	0.13	0.01
Ventura County, CA	Ozone	Serious	50	-	0.19	0.36	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.05	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.04	0.08	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.34	0.62	0.04

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Table B.1-67
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.20	2.23	0.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.18	2.18	0.15
Washoe County, NV	PM ₁₀	Serious	70	-	0.05	0.10	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.03	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.05	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.09	0.16	0.01
Worcester, MA	CO	Maintenance	100	-	0.05	0.09	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	0.00
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.00
York, PA	Ozone	Maintenance	100	-	0.10	0.18	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.12	0.23	0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.08	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.53	0.95	0.30
Albuquerque, NM	CO	Maintenance	100	-	0.24	0.43	0.14
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.12	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.24	0.44	0.14
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.06	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.17	0.05
Anchorage, AK	CO	Maintenance	100	-	0.06	0.12	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Atlanta, GA	Ozone	Moderate	50	-	2.99	5.38	1.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.99	5.38	1.72
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.04	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.11	0.22	-0.11
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.00
Baltimore, MD	Ozone	Moderate	50	-	1.29	2.32	0.74
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.29	2.32	0.74
Baton Rouge, LA	Ozone	Moderate	50	-	0.02	0.08	-0.54
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.45	-5.71	-9.35
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.06	0.11	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.06	0.11	0.04
Billings, MT	CO	Maintenance	100	-	0.03	0.05	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.39	0.70	0.22

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.39	0.70	0.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.14	0.26	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.14	0.26	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.00
Boston, MA	CO	Maintenance	100	-	0.34	0.61	0.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.10	3.78	1.21
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.28	0.50	0.16
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.45	0.81	0.26
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.11	0.20	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.11	0.20	0.06
Case County, MI	Ozone	Maintenance	100	-	0.02	0.03	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.17	0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.17	0.05
Charlotte, NC	CO	Maintenance	100	-	0.33	0.60	0.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.73	1.31	0.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.21	0.38	0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.20	0.35	0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.01	5.41	1.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.11	5.60	1.78
Chico, CA	CO	Maintenance	100	-	0.06	0.11	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.23	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.81	1.46	0.46

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.78	1.41	0.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.74	1.33	0.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.11	0.21	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	0.13	0.04
Cleveland, OH	CO	Maintenance	100	-	0.31	0.57	0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.99	1.78	0.57
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.90	1.63	0.52
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.34	0.61	0.19
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.04	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.28	0.50	0.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.27	0.48	0.15
Columbus, OH	Ozone	Maintenance	100	-	0.76	1.37	0.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.71	1.27	0.41
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.31	0.57	0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.27	0.49	0.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.26	5.87	1.87
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.31	0.56	0.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.27	0.49	0.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.36	2.45	0.78
Denver-Boulder, CO	CO	Maintenance	100	-	1.30	2.34	0.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.64	2.96	0.94
Detroit, MI	CO	Maintenance	100	-	0.49	0.88	0.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.87	3.36	1.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.83	3.30	1.05

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.01
Duluth, MN	CO	Maintenance	100	-	0.03	0.05	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.08	0.14	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.21	0.37	0.12
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	0.01
Erie, PA	Ozone	Maintenance	100	-	0.08	0.15	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.10	0.18	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.09	0.17	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.10	0.18	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.23	0.07
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.12	0.22	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Flint, MI	Ozone	Maintenance	100	-	0.20	0.36	0.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.08	0.15	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.15	0.27	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.06	0.12	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.05	0.10	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.20	0.36	0.12

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
Fresno, CA	CO	Maintenance	100	-	0.27	0.48	0.15
Grand Rapids, MI	Ozone	Maintenance	100	-	0.36	0.64	0.20
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.01
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.63	1.14	0.36
Greeley, CO	CO	Maintenance	100	-	0.05	0.10	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.05	0.09	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.04	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.64	1.15	0.37
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.31	0.56	0.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.34	0.61	0.19
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.08	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.37	0.67	0.21
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.34	0.61	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.40	0.72	0.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.03	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.12	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.11	0.20	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2.48	-3.78	-11.49
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.20	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.06	0.10	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.19	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.10	0.19	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.86	1.55	0.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.69	1.24	0.39
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.06	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.06	0.11	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.09	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.08	0.15	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.05	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.20	0.35	0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.72	1.30	0.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.11	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.06	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	0.01

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.54	0.98	0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.41	0.74	0.24
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.11	0.20	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.03	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.07	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.19	0.34	0.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.34	0.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.19	0.35	0.11
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.06	0.02
Las Vegas, NV	CO	Serious	100	-	0.74	1.33	0.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.75	1.35	0.43
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.06	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.00
Lima, OH	Ozone	Maintenance	100	-	0.04	0.07	0.02
Longmont, CO	CO	Maintenance	100	-	0.04	0.08	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.01

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Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	6.40	11.58	2.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	6.40	11.58	2.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	6.40	11.58	2.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	6.40	11.58	2.85
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	6.40	11.58	2.85
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.31	0.57	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.44	0.78	0.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.41	0.75	0.24
Lowell, MA	CO	Maintenance	100	-	0.05	0.09	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.11	0.19	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.04	0.01
Macon, GA	Ozone	Maintenance	100	-	0.07	0.13	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.13	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.12	0.21	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Manchester, NH	CO	Maintenance	100	-	0.03	0.05	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.07	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.11	0.20	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.11	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.23	0.07
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.01
Medford, OR	CO	Maintenance	100	-	0.04	0.07	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.17	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.36	0.66	0.21
Memphis, TN	CO	Maintenance	100	-	0.34	0.61	0.19
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.03	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.20	0.35	0.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.73	1.32	0.42
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.99	1.82	0.07
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.20	2.16	0.69
Missoula, MT	CO	Maintenance	100	-	0.03	0.05	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.01
Modesto, CA	CO	Maintenance	100	-	0.16	0.28	0.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.10	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.02	0.03	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.07	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.05	0.10	0.03
Nashua, NH	CO	Maintenance	100	-	0.02	0.04	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.72	1.29	0.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.08	0.15	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.12	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.30	0.54	0.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.16	0.29	0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.05	5.49	1.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	5.97	10.75	3.43
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	5.91	10.65	3.40
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.01

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.62	1.12	0.36
Ogden, UT	CO	Maintenance	100	-	0.03	0.05	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.05	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.09	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.05	0.10	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.07	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.04	0.07	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.13	0.24	0.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.73	3.12	1.00
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.57	4.64	1.48
Phoenix, AZ	CO	Maintenance	100	-	2.64	4.75	1.52
Phoenix, AZ	PM ₁₀	Serious	70	-	2.71	4.87	1.55
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.71	4.89	1.56
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.75	1.35	0.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.69	1.24	0.39
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.23	0.41	0.13

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.45	0.81	0.24
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.65	1.16	0.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.41	0.75	0.24
Provo, UT	CO	Maintenance	100	-	0.08	0.14	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.60	1.08	0.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.81	1.46	0.47
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.13	0.24	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.24	0.08
Reno, NV	CO	Maintenance	100	-	0.10	0.18	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.49	0.88	0.28
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.04	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.34	0.61	0.19
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.10	0.18	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.06	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.53	0.96	0.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.07	0.13	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.76	1.37	0.44
Sacramento Metro, CA	Ozone	Severe	25	-	1.41	2.54	0.81
Sacramento, CA	CO	Maintenance	100	-	0.86	1.54	0.49
Salem, OR	CO	Maintenance	100	-	0.05	0.09	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.17	-0.26	-0.62

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.18	0.36	-0.42
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.44	0.79	0.25
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.81	1.46	0.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.19	0.34	0.11
San Diego, CA	CO	Maintenance	100	-	2.04	3.67	1.17
San Diego, CA	Ozone	Former Subpart 1	50	-	2.04	3.68	1.17
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.93	5.27	1.68
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.28	5.91	1.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.19	3.96	1.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.20	3.97	1.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.19	3.96	1.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.27	0.48	0.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.32	2.37	0.76
Sheboygan, WI	Ozone	Moderate	50	-	0.05	0.09	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.18	0.32	0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.09	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.13	0.23	0.07
Spokane, WA	CO	Maintenance	100	-	0.13	0.23	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.35	0.64	0.20
Springfield, MA	CO	Maintenance	100	-	0.06	0.11	0.04
St. Louis, MO	CO	Maintenance	100	-	0.29	0.53	0.17
St. Louis, MO-IL	Ozone	Moderate	50	-	1.10	1.99	0.63
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.10	1.97	0.63

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.08	0.14	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.03	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.03	0.06	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.02
Stockton, CA	CO	Maintenance	100	-	0.24	0.43	0.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.19	0.35	0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.08	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.04	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.20	0.37	0.12
Toms River, NJ	CO	Maintenance	100	-	0.05	0.09	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.08	0.02
Trenton, NJ	CO	Maintenance	100	-	0.04	0.07	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.45	0.81	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.22	0.40	0.13
Vancouver, WA	CO	Maintenance	100	-	0.15	0.27	0.09
Ventura County, CA	Ozone	Serious	50	-	0.41	0.74	0.22
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.08	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.04	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.03	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.08	0.15	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.67	1.21	0.39

Appendix B

Table B.1-68
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.41	4.34	1.38
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.35	4.24	1.35
Washoe County, NV	PM ₁₀	Serious	70	-	0.10	0.18	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.05	0.09	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.05	0.09	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.17	0.30	0.10
Worcester, MA	CO	Maintenance	100	-	0.10	0.18	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.07	0.02
Yakima, WA	CO	Maintenance	100	-	0.02	0.03	0.01
York, PA	Ozone	Maintenance	100	-	0.19	0.34	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.27	0.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.22	0.40	0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.16	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.02	0.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.01	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	-0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.06	-0.09	-0.15
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.02	0.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.00	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.02	0.11
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.11
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.00	0.00	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.02	0.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.01	0.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Detroit, MI	CO	Maintenance	100	-	0.00	0.00	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.00	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.07	-0.11	-0.13
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.00	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.04	0.21
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.04	0.04	0.21
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.04	0.21
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.04	0.21
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.21
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN	CO	Maintenance	100	-	0.00	0.00	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.02	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.05	0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.05	0.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.02	0.10
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.01	0.07
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.01	0.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.00	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.00	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.01	0.04
Sacramento, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.01

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.01	0.06
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.02	0.10
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.02	0.11
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.01	0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.01	0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.00	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.01	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.00	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-69
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.02	0.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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**Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	0.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.37
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.16
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.14	-0.22	-0.33
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.06

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Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.01	0.09
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	0.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.40
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.11

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Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.05
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.02	0.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.13
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.09
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	0.38
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.16
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.16
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.20
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.25

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.01	0.09
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.09
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.17	-0.26	-0.17
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.08
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.03	0.07	0.79
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.03	0.07	0.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.03	0.07	0.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.03	0.07	0.79
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.05
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.05
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	0.00	0.13
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.15
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.04
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	0.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.81
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.04	0.09	0.80
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Appendix B

Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.24
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	0.35
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.03	0.26
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.03	0.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.03	0.27
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.11
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03

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Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.06
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.07
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.05
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.10
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.15
Sacramento, CA	CO	Maintenance	100	-	0.01	0.01	0.09
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01

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Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
San Diego, CA	CO	Maintenance	100	-	0.01	0.03	0.23
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.04	0.35
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.04	0.39
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.02	0.24
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.24
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.24
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.16
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.05
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.05
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.16

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Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.05
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.09

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Table B.1-70
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	0.29
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.29
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.29
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.23	1.60
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.23	1.60
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.10	0.70
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.70
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	0.10
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.33	-0.54	-0.77
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.22

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Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.03	0.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.17	1.17
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.15
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.26
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Charlotte, NC	CO	Maintenance	100	-	0.01	0.03	0.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.06	0.39
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.09	0.23	1.64
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.24	1.70
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.06	0.45

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Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.05	0.38
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.19
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.08	0.57
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.52
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.17
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.15
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.06	0.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.38
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.09	0.24	1.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.03	0.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.10	0.72
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.10	0.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.12	0.87
Detroit, MI	CO	Maintenance	100	-	0.02	0.05	0.33
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.05	0.15	1.05
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.05	0.15	1.03

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.10

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.14
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.03	0.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.05	0.36
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.05	0.36
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.03	0.20
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.19
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.39	-0.56	0.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.03
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.07	0.47
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.37
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.06	0.39
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.29
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.22
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.11
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.02	0.05	0.38
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.05	0.38
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.15	0.46	3.55
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.15	0.46	3.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.15	0.46	3.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.15	0.46	3.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.15	0.46	3.55
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.17
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.04	0.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.24
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.03	0.21
Memphis, TN	CO	Maintenance	100	-	0.01	0.03	0.20
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.11
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.06	0.41
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.06	0.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.09	0.65
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.06	0.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.09	0.25	1.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.17	0.48	3.35
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.17	0.47	3.32
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.05	0.35
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.99
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.08	0.21	1.46
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.18	1.28
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.19	1.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.19	1.32
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.40
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.13

Appendix B

Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.04	0.26
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.05	0.34
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.03	0.23
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.05	0.32
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.06	0.43
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.04	0.28
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	0.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.06	0.39
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.10	0.71
Sacramento, CA	CO	Maintenance	100	-	0.02	0.06	0.43
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.03	-0.01

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Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.18
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.03	0.24
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.06	0.44
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.10
San Diego, CA	CO	Maintenance	100	-	0.05	0.15	1.05
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.15	1.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.08	0.22	1.55
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.09	0.25	1.75
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.15	1.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.15	1.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.15	1.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.10	0.71
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.03	0.20
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.03
St. Louis, MO	CO	Maintenance	100	-	0.01	0.03	0.18
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.09	0.64
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.64

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Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.12
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.12
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.03	0.24
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.12
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.08
Ventura County, CA	Ozone	Serious	50	-	0.01	0.03	0.21
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.05	0.36

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Table B.1-71
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.07	0.18	1.29
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.07	0.18	1.26
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.09
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.10
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.13
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.07	0.44
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.03	0.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.03	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.17	0.40	2.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.17	0.40	2.48
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	0.14
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.17	1.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.17	1.07
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.01	0.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.41	-0.68	-0.98
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.05
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.05	0.32

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.32
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.05	0.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.28	1.74
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.04	0.23
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.37
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Charlotte, NC	CO	Maintenance	100	-	0.02	0.04	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.10	0.60
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.17	0.40	2.49
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.42	2.58
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.11	0.67

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.65
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.10	0.61
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Cleveland, OH	CO	Maintenance	100	-	0.02	0.04	0.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.13	0.82
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.12	0.75
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.05	0.28
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.04	0.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.22
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.10	0.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.04	0.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.18	0.44	2.70
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.04	0.26
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.18	1.13
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.18	1.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.09	0.22	1.36
Detroit, MI	CO	Maintenance	100	-	0.03	0.07	0.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.11	0.25	1.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.25	1.52

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.03	0.17
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.03	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.17

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.04	0.22
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.05	0.29
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.09	0.52
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.09	0.53
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.26
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.05	0.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.05	0.31
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.28
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.05	0.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.44	-0.63	0.51
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.12	0.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.57
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.03	0.16
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.10	0.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.07	0.45
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.34
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.16
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.03	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.04	0.10	0.61
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.10	0.62
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.34	0.84	5.52
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.34	0.84	5.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.34	0.84	5.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.34	0.84	5.52
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.34	0.84	5.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.04	0.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.06	0.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.34
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.05	0.30
Memphis, TN	CO	Maintenance	100	-	0.02	0.05	0.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.03	0.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.10	0.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.12	0.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.16	1.00
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.13
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.10	0.60
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.04	0.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.17	0.41	2.53
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.34	0.80	4.95
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.34	0.80	4.91
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.08	0.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.11
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.10	0.23	1.44
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.15	0.35	2.14
Phoenix, AZ	CO	Maintenance	100	-	0.15	0.36	2.19
Phoenix, AZ	PM ₁₀	Serious	70	-	0.15	0.36	2.24
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.15	0.37	2.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.10	0.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.09	0.57
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.03	0.19

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.06	0.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.09	0.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.06	0.34
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.08	0.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.11	0.67
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.11
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.07	0.41
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.05	0.28
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.07	0.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.10	0.63
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.19	1.17
Sacramento, CA	CO	Maintenance	100	-	0.05	0.12	0.71
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.04	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	0.01	0.28
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.06	0.36
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.11	0.67
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.16
San Diego, CA	CO	Maintenance	100	-	0.12	0.27	1.69
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	0.28	1.69
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.17	0.39	2.43
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.19	0.44	2.72
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.12	0.29	1.86
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.12	0.29	1.87
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.29	1.86
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.04	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.18	1.09
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.11
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.05	0.29
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.05
St. Louis, MO	CO	Maintenance	100	-	0.02	0.04	0.24
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.15	0.91
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.15	0.91

Appendix B

Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.03	0.20
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.03	0.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.03	0.17
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.06	0.37
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.03	0.18
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.12
Ventura County, CA	Ozone	Serious	50	-	0.02	0.05	0.34
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.09	0.56

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Table B.1-72
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.14	0.32	2.00
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.32	1.95
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.14
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.16
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.03	0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year of VOCs or NO_x in ozone NAAs; primary PM_{2.5} in PM_{2.5} NAAs. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-73
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.09	-0.12	-0.40
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.00	-0.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Anchorage, AK	CO	Maintenance	100	-	-0.03	-0.05	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.07	0.08	-0.66
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.66
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	-0.06
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.08	0.11	-0.15
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.15
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	-0.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.09
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	-0.10

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Table B.1-73
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.02	-0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.03	-0.04
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.16	0.21	-0.23
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	-0.03
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.04
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	-0.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.01	-0.19
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.17	0.21	-0.46
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.16	0.20	-0.49
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.19

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Table B.1-73
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.04	-0.10
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Cleveland, OH	CO	Maintenance	100	-	0.00	0.00	-0.12
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.04	-0.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.23
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	-0.02
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.16
Columbus, OH	Ozone	Maintenance	100	-	0.00	-0.00	-0.21
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.19
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.11	0.12	-0.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.11	-0.15
Denver-Boulder, CO	CO	Maintenance	100	-	0.08	0.10	-0.14
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.26
Detroit, MI	CO	Maintenance	100	-	0.00	-0.00	-0.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.57
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.55

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.08
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.06
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.10
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05

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Table B.1-73
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	-0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.10
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.05	-0.12
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.02	-0.17
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.07
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.07	-0.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	-0.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.12	-0.19	-1.05
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.26
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.20
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.02	-0.07
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.08
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.07	-0.10	-0.40
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.02

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Table B.1-73
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.07	-0.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.06	-0.23
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Las Vegas, NV	CO	Serious	100	-	0.03	0.04	-0.10
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.10
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.35	0.44	-0.99
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.35	0.44	-0.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.35	0.44	-0.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.35	0.44	-0.99
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.35	0.44	-0.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	-0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.07
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.01	-0.01	-0.15
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	-0.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	-0.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.05	-0.08	-0.50
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.05	-0.07	-0.49
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	-0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.02	-0.06
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.66	-0.92	-1.86
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.13	-1.60	-4.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.97	-1.42	-4.60
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.96	-1.40	-4.55
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.03	-0.13
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.51
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.08	0.09	-0.64
Phoenix, AZ	CO	Maintenance	100	-	0.12	0.15	-0.25
Phoenix, AZ	PM ₁₀	Serious	70	-	0.12	0.15	-0.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.12	0.15	-0.26
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.26
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.22
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	-0.03

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	-0.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.02	-0.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.00	-0.11
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.03	-0.09
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.14
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.03	-0.10
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	-0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.11
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.05	-0.08
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.07	-0.18
Sacramento, CA	CO	Maintenance	100	-	0.04	0.05	-0.09
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.02

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	-0.09
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.05	-0.07	-0.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
San Diego, CA	CO	Maintenance	100	-	0.12	0.15	-0.19
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	0.15	-0.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.15	0.18	-0.41
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.17	0.22	-0.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.06	-0.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.06	-0.10	-0.55
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.06
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.01	-0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.04	-0.04
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	-0.01
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.02	-0.15
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.01	-0.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.36

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.01	-0.09
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.02	-0.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.04
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	-0.04
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.06	-0.08

Appendix B

Table B.1-73
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.14	0.18	-0.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	-0.28
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.00	-0.05
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.17	-0.29	-1.50
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.00	-0.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.37
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.08
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.09
Anchorage, AK	CO	Maintenance	100	-	-0.07	-0.11	-0.31
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.26	0.26	-4.56
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.26	0.26	-4.57
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.01	-0.00	-0.34
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.23	0.29	-1.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.29	-1.71
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.10	-0.72
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.04	-0.38
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.14
Billings, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.08
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.04	-0.69

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.03	-0.06	-0.35
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.35
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.07	0.09	-0.48
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.42	0.55	-2.83
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.07	-0.36
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.75
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.23
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.23
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.18
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.18
Charlotte, NC	CO	Maintenance	100	-	0.04	0.05	-0.46
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.03	-1.18
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.57
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.04	-0.08	-0.51
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.46	0.58	-4.25
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.46	0.58	-4.44
Chico, CA	CO	Maintenance	100	-	0.01	0.01	-0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.16
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.08	-1.34

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Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-1.29
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.09	0.11	-0.92
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.06	-0.31
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.19
Cleveland, OH	CO	Maintenance	100	-	0.02	0.01	-0.69
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.11	-1.74
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.10	-1.60
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.07	-0.35
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.03	-0.51
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.09	-0.66
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.01	-1.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-1.14
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.69
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.56
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.34	0.39	-4.53
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.60
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.53
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.23	0.30	-1.69
Denver-Boulder, CO	CO	Maintenance	100	-	0.22	0.28	-1.63
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.22	0.27	-2.22
Detroit, MI	CO	Maintenance	100	-	0.02	0.00	-1.19
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.09	0.04	-3.41
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.06	-3.32

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Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.01	-0.08
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.37
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.04	-0.07	-0.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.28
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.20
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.29
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.19
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.36
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.04	-0.06	-0.39
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.00	-0.31

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Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.04	0.05	-0.35
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.61
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.04
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.10	0.12	-1.01
Greeley, CO	CO	Maintenance	100	-	-0.01	-0.01	-0.11
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.05	-1.12
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.09	-0.16	-0.97
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.54
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.51
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.07	0.09	-0.63
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.13
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.21
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.17	-0.39	-4.97
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.06	-0.34
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.19
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	-0.14
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.03	0.00	-1.51
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-1.18
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.12
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.27
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.10
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.42
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.12	-0.23	-1.68
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.07

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.09	-0.16	-1.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.08	-0.14	-0.95
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.19
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.27
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.27
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.03	-0.30
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.11
Las Vegas, NV	CO	Serious	100	-	0.09	0.11	-0.92
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.09	0.12	-0.94
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.12
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.00	1.25	-9.20
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.00	1.25	-9.20
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.00	1.25	-9.20
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.00	1.25	-9.20
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.00	1.25	-9.20
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.05	0.06	-0.41
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.04	-0.78
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.76
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.21
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.23
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.23
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.06
Marion County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.27
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.31
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	-0.02	-0.79
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	-0.63
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.08	0.08	-1.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.06	-0.15	-2.46
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.06	-0.15	-2.39
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.10
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.09
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.21
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.04	-0.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.12
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.06	-1.12
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.05	0.06	-0.48
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.41	-2.24	-4.49
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.33	-3.84	-13.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.90	-3.31	-17.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.87	-3.26	-17.14
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.09	-1.01
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.14
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.04	-0.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.12	0.09	-3.18
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.26	0.27	-4.41
Phoenix, AZ	CO	Maintenance	100	-	0.35	0.45	-2.73
Phoenix, AZ	PM ₁₀	Serious	70	-	0.35	0.46	-2.82
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.36	0.46	-2.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.03	0.01	-1.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-1.32
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.05	-0.33

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Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.03	-0.82
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.07	-0.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.02	-0.71
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.12
Raleigh-Durham, NC	CO	Maintenance	100	-	0.08	0.10	-0.80
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.10	0.12	-1.12
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.23
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.23
Reno, NV	CO	Maintenance	100	-	0.02	0.02	-0.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.08	-0.78
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.07	-0.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.21
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.07
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.86
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.15
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.12
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.11	0.14	-0.87
Sacramento Metro, CA	Ozone	Severe	25	-	0.17	0.20	-1.65
Sacramento, CA	CO	Maintenance	100	-	0.12	0.15	-0.98
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.10
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.14

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.05	0.05	-0.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.05	-0.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.08	-0.16	-1.69
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.25
San Diego, CA	CO	Maintenance	100	-	0.33	0.44	-2.33
San Diego, CA	Ozone	Former Subpart 1	50	-	0.33	0.44	-2.33
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.42	0.53	-3.85
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.49	0.62	-4.32
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.20	0.22	-3.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.20	0.22	-3.04
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.20	0.22	-3.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.48
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.09	-0.20	-2.62
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.34
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.27
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.27
Springfield (western MA), MA	Ozone	Moderate	50	-	0.07	0.09	-0.50
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	-0.08
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.04	-0.76
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.04	-2.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-2.15

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	-0.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.12
Stockton, CA	CO	Maintenance	100	-	0.02	0.03	-0.30
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.03	-0.45
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.15
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.38
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.11
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.06	-0.63
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.35
Vancouver, WA	CO	Maintenance	100	-	0.01	0.00	-0.23
Ventura County, CA	Ozone	Serious	50	-	0.06	0.08	-0.48
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.15
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.21
Washington, DC-MD-VA	CO	Maintenance	100	-	0.12	0.15	-0.89

Appendix B

Table B.1-74
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.39	0.50	-3.14
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.39	0.51	-3.05
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.02	-0.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.03	-0.17
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.17
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.00	-0.30
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.04
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.32
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.24
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	-0.45
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.13	-0.48	-9.42
Albuquerque, NM	CO	Maintenance	100	-	0.14	0.12	-3.66
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.01	-1.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.20	0.22	-3.54
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.61
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.10	-1.16
Anchorage, AK	CO	Maintenance	100	-	-0.12	-0.23	-1.43
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.05
Atlanta, GA	Ozone	Moderate	50	-	2.14	2.14	-42.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.14	2.14	-42.74
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.02	-0.29
Bakersfield, CA	CO	Maintenance	100	-	0.12	0.10	-2.93
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.06
Baltimore, MD	Ozone	Moderate	50	-	1.19	1.37	-17.90
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.19	1.37	-17.90
Baton Rouge, LA	Ozone	Moderate	50	-	0.02	-0.11	-4.95
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.02	-0.04	-2.59
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	-0.03	-1.14
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.17
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.01	-1.03
Billings, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.52
Birmingham, AL	Ozone	Maintenance	100	-	0.28	0.28	-5.98

Appendix B

Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.28	0.28	-6.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.00	-0.07	-2.38
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.07	-2.38
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.14
Boston, MA	CO	Maintenance	100	-	0.33	0.38	-4.85
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.05	2.39	-29.61
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.27	0.32	-3.87
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	-0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.36	0.37	-6.76
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.19
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.15
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.05	0.03	-1.79
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-1.79
Case County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.28
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Charleston, WV	Ozone	Maintenance	100	-	0.08	0.08	-1.55
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-1.55
Charlotte, NC	CO	Maintenance	100	-	0.28	0.30	-4.61
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.47	0.44	-10.60
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.11	-3.73
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	-0.10	-3.42
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.62	2.91	-42.56
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.68	2.96	-44.10
Chico, CA	CO	Maintenance	100	-	0.04	0.05	-0.78
Chico, CA	Ozone	Former Subpart 1	50	-	0.10	0.10	-1.71
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.59	0.58	-12.03

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**Table B.1-75
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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.58	0.58	-11.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Clark County, NV	PM ₁₀	Serious	70	-	0.60	0.67	-9.84
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.10	-1.99
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.04	-1.24
Cleveland, OH	CO	Maintenance	100	-	0.20	0.16	-5.33
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.74	0.73	-15.18
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.68	0.67	-13.93
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.31	0.36	-4.25
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.38
Colorado Springs, CO	CO	Maintenance	100	-	0.11	0.05	-4.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	-0.11	-4.53
Columbus, OH	Ozone	Maintenance	100	-	0.46	0.40	-11.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.44	0.41	-10.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.20	0.16	-5.33
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.16	0.13	-4.43
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.49	2.63	-45.00
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.18	-4.94
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.16	-4.34
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.25	1.44	-18.41
Denver-Boulder, CO	CO	Maintenance	100	-	1.19	1.37	-17.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.36	1.49	-22.66
Detroit, MI	CO	Maintenance	100	-	0.33	0.26	-9.06
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.15	0.98	-28.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.15	1.00	-28.08

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Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.23
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.20
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.17
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.02	-0.54
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.07	0.07	-1.16
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.12	0.10	-3.12
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.19
Erie, PA	Ozone	Maintenance	100	-	0.06	0.06	-1.33
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.05	-0.13	-1.80
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.12	-1.72
Evansville, IN	Ozone	Maintenance	100	-	0.05	0.03	-1.59
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.00	-2.10
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.04	-0.21
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.10	0.11	-1.76
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Flint, MI	Ozone	Maintenance	100	-	0.14	0.13	-3.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.03	-1.22
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.09	-2.59
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.02	-1.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.03	-0.08	-1.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.11	-2.83

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Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.11
Fresno, CA	CO	Maintenance	100	-	0.24	0.27	-3.69
Grand Rapids, MI	Ozone	Maintenance	100	-	0.21	0.18	-5.27
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.22
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.26
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.12
Greater Connecticut, CT	Ozone	Moderate	50	-	0.56	0.60	-9.45
Greeley, CO	CO	Maintenance	100	-	0.01	-0.00	-0.86
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.78
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.33
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.32
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.46	0.44	-9.78
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.25	0.27	-4.69
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.26	-6.18
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.14
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.71
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.30	0.32	-5.28
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.27	0.28	-4.88
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.37	0.42	-5.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.26
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.25
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-1.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.06	-1.75
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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**Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.82	0.18	-38.17
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.11	-2.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.06	-1.11
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.19
Imperial County, CA	Ozone	Moderate	50	-	0.09	0.09	-1.43
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	0.09	-1.40
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.20
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.50	0.42	-12.90
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.42	0.36	-10.20
Jackson County, IN	Ozone	Maintenance	100	-	0.01	-0.01	-0.52
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.95
Jefferson County, NY	Ozone	Moderate	50	-	0.04	0.05	-0.72
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.11	-1.57
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.57
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.65
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.08	0.04	-3.18
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.24
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	-0.23	-11.83
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.06	0.08	-0.85
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.18
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.51
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.00	-0.15
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.07
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.03	-0.38

Appendix B

**Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.38
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.07	-0.14	-8.65
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	-0.16	-6.69
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.13
Lake County, IN	SO _x	Maintenance	100	-	0.10	0.11	-1.70
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.21
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.21
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.04	-0.46
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.12
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.17	0.19	-2.67
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.19	-2.67
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.16	0.17	-2.82
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.65
Las Vegas, NV	CO	Serious	100	-	0.60	0.67	-9.84
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.61	0.68	-9.96
Lauderdale County, AL	SO _x	Maintenance	100	-	0.03	0.03	-0.49
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.08
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.76
Longmont, CO	CO	Maintenance	100	-	0.04	0.05	-0.57
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.28

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	5.85	6.51	-94.27
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	5.85	6.51	-94.27
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	5.85	6.51	-94.27
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	5.85	6.51	-94.27
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	5.85	6.51	-94.26
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.27	0.31	-4.29
Louisville, KY-IN	Ozone	Maintenance	100	-	0.31	0.30	-6.71
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	0.27	-6.46
Lowell, MA	CO	Maintenance	100	-	0.05	0.05	-0.68
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.07	-1.72
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.35
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.07	-1.40
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-1.38
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.07	0.07	-1.64
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.07
Manchester, NH	CO	Maintenance	100	-	0.03	0.04	-0.41
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.58
Marion County, IN	SO _x	Maintenance	100	-	0.04	0.01	-1.94
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.76
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.04	-2.17
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.17
Medford, OR	CO	Maintenance	100	-	0.03	0.03	-0.51
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.07	0.08	-1.23
Memphis, TN-AR	Ozone	Maintenance	100	-	0.18	0.11	-6.04
Memphis, TN	CO	Maintenance	100	-	0.24	0.23	-5.34
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.19

Appendix B

**Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.14	0.13	-3.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.55	0.55	-10.85
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.49	0.20	-19.25
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.47	0.20	-18.70
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.06	-0.52
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.50
Modesto, CA	CO	Maintenance	100	-	0.11	0.11	-2.12
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.71
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.02	-0.21
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.19
Muncie, IN	Ozone	Maintenance	100	-	-0.04	-0.09	-0.85
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.87
Nashua, NH	CO	Maintenance	100	-	0.02	0.03	-0.33
Nashville, TN	Ozone	Former Subpart 1	50	-	0.51	0.50	-10.36
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.07	0.08	-1.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.89
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.26	0.28	-4.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
New York County, NY	PM ₁₀	Moderate	100	-	-3.29	-5.61	-13.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.03	-8.35	-65.90
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.53	-5.61	-107.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.49	-5.52	-106.90
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.25

Appendix B

Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.50	0.52	-9.30
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.41
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.41
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.73
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.02	-0.95
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.95
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.04	-0.55
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.04	-0.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.13	0.15	-2.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.14	1.03	-26.84
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.90	1.88	-39.01
Phoenix, AZ	CO	Maintenance	100	-	2.21	2.54	-32.80
Phoenix, AZ	PM ₁₀	Serious	70	-	2.26	2.60	-33.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.27	2.61	-33.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.00	-0.17
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.45	0.36	-12.05
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.38	-10.90
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.14
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Portland, ME	Ozone	Maintenance	100	-	0.21	0.23	-3.28

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Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.31	0.29	-7.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.33
Poughkeepsie, NY	Ozone	Moderate	50	-	0.48	0.51	-8.89
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.27	0.24	-6.19
Provo, UT	CO	Maintenance	100	-	0.05	0.05	-1.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.49	0.54	-8.22
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.65	0.70	-11.24
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.10	0.09	-2.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.09	-2.00
Reno, NV	CO	Maintenance	100	-	0.09	0.10	-1.43
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.40	0.42	-7.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.33
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.31	0.36	-4.25
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	0.03	-1.61
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.01	-0.53
Rochester, NY	Ozone	Former Subpart 1	50	-	0.43	0.44	-7.92
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.01	-1.15
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.81
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.65	0.74	-9.87
Sacramento Metro, CA	Ozone	Severe	25	-	1.13	1.26	-18.29
Sacramento, CA	CO	Maintenance	100	-	0.73	0.83	-11.09
Salem, OR	CO	Maintenance	100	-	0.03	0.03	-0.79
Salt Lake City, UT	CO	Maintenance	100	-	0.07	0.07	-1.32

Appendix B

Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.33	0.34	-6.35
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.33	0.34	-6.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.23	-0.01	-12.79
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.18	0.21	-2.64
San Diego, CA	CO	Maintenance	100	-	1.84	2.15	-26.58
San Diego, CA	Ozone	Former Subpart 1	50	-	1.85	2.15	-26.63
San Francisco Bay Area, CA	Ozone	Marginal	50	-	2.50	2.79	-40.04
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	2.85	3.20	-45.04
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.65	1.72	-30.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.65	1.72	-30.77
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.65	1.72	-30.67
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.22
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.15	-4.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.47	0.14	-20.40
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.75
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.19
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.10	0.08	-2.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.87
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	-0.00	-2.05
Spokane, WA	CO	Maintenance	100	-	0.04	-0.00	-2.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.35	0.40	-5.09
Springfield, MA	CO	Maintenance	100	-	0.06	0.07	-0.85
St. Louis, MO	CO	Maintenance	100	-	0.11	0.02	-5.33
St. Louis, MO-IL	Ozone	Moderate	50	-	0.70	0.59	-17.61
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.69	0.58	-17.51

Appendix B

Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.07	0.08	-1.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.14
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.03	-0.31
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.06	-0.68
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.68
Stockton, CA	CO	Maintenance	100	-	0.18	0.20	-3.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.06	0.01	-3.24
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.05	-0.89
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.31
Toledo, OH	Ozone	Maintenance	100	-	0.14	0.13	-3.22
Toms River, NJ	CO	Maintenance	100	-	0.04	0.05	-0.63
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.03	-0.74
Trenton, NJ	CO	Maintenance	100	-	0.03	0.04	-0.52
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Tucson, AZ	CO	Maintenance	100	-	0.36	0.39	-6.28
Utah County, UT	PM ₁₀	Moderate	100	-	0.14	0.13	-3.17
Vancouver, WA	CO	Maintenance	100	-	0.09	0.09	-2.11
Ventura County, CA	Ozone	Serious	50	-	0.37	0.43	-5.44
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.05	-0.89
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.03	-0.32
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.02	-0.21
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.03	-1.43
Washington, DC-MD-VA	CO	Maintenance	100	-	0.61	0.70	-9.21

Appendix B

**Table B.1-75
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.16	2.46	-33.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.13	2.44	-32.27
Washoe County, NV	PM ₁₀	Serious	70	-	0.09	0.10	-1.43
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.46
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.54
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.06	-0.99
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.99
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.09	-2.57
Worcester, MA	CO	Maintenance	100	-	0.09	0.11	-1.33
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.67
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.30
York, PA	Ozone	Maintenance	100	-	0.12	0.11	-2.82
York, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.10	-2.16
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.14	-3.62
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	0.06	-1.22

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.25	-0.01	-12.93
Albuquerque, NM	CO	Maintenance	100	-	0.37	0.44	-5.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.09	0.09	-1.47
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.45	0.56	-4.90
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.80
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.20	0.25	-1.86
Anchorage, AK	CO	Maintenance	100	-	-0.09	-0.20	-1.95
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.07
Atlanta, GA	Ozone	Moderate	50	-	5.27	6.46	-61.15
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.27	6.46	-61.17
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.05	-0.39
Bakersfield, CA	CO	Maintenance	100	-	0.34	0.40	-4.18
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.08
Baltimore, MD	Ozone	Moderate	50	-	2.55	3.25	-25.48
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.55	3.25	-25.48
Baton Rouge, LA	Ozone	Moderate	50	-	0.28	0.24	-6.74
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.14	0.11	-3.45
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.03	-1.44
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.26
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.07	-1.43
Billings, MT	CO	Maintenance	100	-	0.02	0.00	-0.71
Birmingham, AL	Ozone	Maintenance	100	-	0.64	0.77	-8.05

Appendix B

Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.64	0.77	-8.08
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.14	0.11	-3.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.14	0.11	-3.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.20
Boston, MA	CO	Maintenance	100	-	0.68	0.86	-6.68
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.22	5.42	-41.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.57	0.73	-5.51
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.03	-0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.78	0.96	-9.18
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.23
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.14	0.15	-2.38
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.14	0.15	-2.38
Case County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.38
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.16	0.19	-1.99
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.16	0.19	-1.99
Charlotte, NC	CO	Maintenance	100	-	0.63	0.80	-6.67
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.23	1.48	-15.06
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.17	0.11	-4.98
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.16	0.11	-4.60
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.72	7.20	-60.20
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.87	7.37	-62.35
Chico, CA	CO	Maintenance	100	-	0.11	0.14	-1.24
Chico, CA	Ozone	Former Subpart 1	50	-	0.24	0.30	-2.61
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.38	1.68	-16.66

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Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.35	1.64	-16.09
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Clark County, NV	PM ₁₀	Serious	70	-	1.43	1.81	-14.75
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.01	-2.77
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.02	-1.67
Cleveland, OH	CO	Maintenance	100	-	0.45	0.50	-6.77
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.66	1.99	-20.46
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.51	1.82	-18.71
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.70	0.91	-6.60
Colbert County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.49
Colorado Springs, CO	CO	Maintenance	100	-	0.38	0.42	-5.95
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.24	0.18	-6.22
Columbus, OH	Ozone	Maintenance	100	-	1.23	1.45	-15.89
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.17	1.40	-14.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.45	0.50	-6.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.36	0.38	-5.93
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.00	7.47	-65.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.48	0.55	-6.54
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.42	0.49	-5.74
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.73	3.50	-26.84
Denver-Boulder, CO	CO	Maintenance	100	-	2.60	3.34	-25.67
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.13	3.94	-32.94
Detroit, MI	CO	Maintenance	100	-	0.60	0.60	-10.88
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.88	3.33	-39.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.85	3.31	-38.68

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.32
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.27
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.03	-0.22
Duluth, MN	CO	Maintenance	100	-	0.02	0.01	-0.71
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.13
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	0.17	-1.55
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.33	0.39	-4.36
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	-0.26
Erie, PA	Ozone	Maintenance	100	-	0.14	0.16	-1.78
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	-0.04	-2.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	-0.04	-2.39
Evansville, IN	Ozone	Maintenance	100	-	0.14	0.16	-2.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.15	0.15	-2.80
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.04	-0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.22	0.27	-2.43
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.08
Flint, MI	Ozone	Maintenance	100	-	0.32	0.38	-4.16
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.13	0.15	-1.78
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.11	0.06	-3.52
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.06	-1.46
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	-0.03	-1.36
Fredericksburg, VA	Ozone	Maintenance	100	-	0.33	0.40	-4.18

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	-0.18
Fresno, CA	CO	Maintenance	100	-	0.53	0.67	-5.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.56	0.66	-7.48
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.28
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.38
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	1.17	1.45	-12.78
Greeley, CO	CO	Maintenance	100	-	0.07	0.07	-1.21
Green Bay, WI	SO _x	Maintenance	100	-	0.08	0.09	-1.07
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.45
Greene County, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.07	1.29	-13.30
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.56	0.69	-6.34
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.23	0.10	-8.11
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	-0.18
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	0.09	-0.99
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.68	0.85	-7.50
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.62	0.77	-6.93
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.76	0.96	-7.97
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.39
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.35
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.10	0.12	-1.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.17	0.20	-2.35
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	3.17	3.35	-53.33
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.02	-2.73
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	-0.03	-1.41
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.25
Imperial County, CA	Ozone	Moderate	50	-	0.20	0.26	-2.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	0.25	-2.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.26
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.35	1.57	-18.18
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.09	1.28	-14.41
Jackson County, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.70
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	0.10	-1.28
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.11	-0.99
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	-0.04	-2.07
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.69
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.78
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.21
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.25	0.27	-4.29
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.33
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.71	0.60	-16.54
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.13	0.17	-1.22
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.27
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.68
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	-0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.02	-0.50

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.50
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.59	0.55	-12.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.41	0.35	-9.38
La Porte County, IN	SO _x	Maintenance	100	-	0.01	-0.00	-0.30
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.17
Lake County, IN	SO _x	Maintenance	100	-	0.20	0.25	-2.22
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.28
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.05	-0.34
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	0.10	-0.77
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.02	-0.16
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.36	0.46	-3.74
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.46	-3.74
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.35	0.43	-3.89
LaPorte, IN	Ozone	Maintenance	100	-	0.02	-0.00	-0.84
Las Vegas, NV	CO	Serious	100	-	1.43	1.81	-14.75
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.44	1.82	-14.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.07	-0.65
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.09
Lima, OH	Ozone	Maintenance	100	-	0.02	-0.01	-1.01
Longmont, CO	CO	Maintenance	100	-	0.09	0.12	-0.87
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.04	-0.38

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	13.02	16.43	-136.00
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	13.02	16.43	-136.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	13.02	16.43	-136.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	13.02	16.43	-136.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	13.02	16.43	-136.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.61	0.77	-6.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.73	0.87	-9.05
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.68	0.81	-8.64
Lowell, MA	CO	Maintenance	100	-	0.10	0.13	-0.99
Lucas County, OH	SO _x	Maintenance	100	-	0.16	0.18	-2.26
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.45
Macon, GA	Ozone	Maintenance	100	-	0.03	-0.01	-1.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-1.77
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.20	0.24	-2.42
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.13
Manchester, NH	CO	Maintenance	100	-	0.05	0.07	-0.51
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.77
Marion County, IN	SO _x	Maintenance	100	-	0.13	0.13	-2.54
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.15	-1.18
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.12	-2.94
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.24
Medford, OR	CO	Maintenance	100	-	0.07	0.09	-0.77
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.17	0.21	-1.87
Memphis, TN-AR	Ozone	Maintenance	100	-	0.48	0.52	-7.95
Memphis, TN	CO	Maintenance	100	-	0.55	0.64	-7.07
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.03	-0.29

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.31	0.36	-4.14
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.27	1.54	-15.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.64	1.76	-26.97
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.59	1.71	-26.19
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.04	-0.70
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.68
Modesto, CA	CO	Maintenance	100	-	0.27	0.33	-3.18
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.13	-1.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	0.04	-0.33
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.00	-0.25
Muncie, IN	Ozone	Maintenance	100	-	-0.03	-0.08	-1.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.15
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.06	-1.19
Nashua, NH	CO	Maintenance	100	-	0.04	0.06	-0.41
Nashville, TN	Ozone	Former Subpart 1	50	-	1.25	1.52	-14.74
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.16	0.21	-1.62
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.12	0.15	-1.34
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.55	0.68	-6.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
New York County, NY	PM ₁₀	Moderate	100	-	-3.90	-6.73	-16.41
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.54	-6.83	-87.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.92	0.00	-146.03
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.92	0.05	-144.60
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	-0.35

Appendix B

Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.11	1.36	-12.72
Ogden, UT	CO	Maintenance	100	-	0.05	0.06	-0.55
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.06	-0.55
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.08	0.09	-1.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.05	0.04	-1.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-1.27
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.18
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.09	-0.73
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.10	-0.80
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	0.32	-2.67
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2.74	3.20	-36.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4.36	5.25	-53.27
Phoenix, AZ	CO	Maintenance	100	-	5.31	6.82	-51.92
Phoenix, AZ	PM ₁₀	Serious	70	-	5.44	6.98	-53.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.45	7.00	-53.38
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.02	-0.28
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.11	1.25	-16.08
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.05	1.21	-14.56
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.19
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.44	0.55	-4.54

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.75	0.90	-9.57
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.44
Poughkeepsie, NY	Ozone	Moderate	50	-	1.17	1.45	-13.12
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.66	0.78	-8.70
Provo, UT	CO	Maintenance	100	-	0.13	0.16	-1.59
Raleigh-Durham, NC	CO	Maintenance	100	-	1.14	1.44	-11.96
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.52	1.91	-16.30
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.22	0.27	-2.72
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.27	-2.72
Reno, NV	CO	Maintenance	100	-	0.19	0.25	-1.97
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.89	1.10	-9.97
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.06	-0.50
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.70	0.91	-6.60
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.14	0.15	-2.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.06	-0.73
Rochester, NY	Ozone	Former Subpart 1	50	-	0.94	1.15	-10.85
Rocky Mount, NC	Ozone	Maintenance	100	-	0.09	0.09	-1.53
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-1.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.50	1.92	-15.07
Sacramento Metro, CA	Ozone	Severe	25	-	2.73	3.45	-28.16
Sacramento, CA	CO	Maintenance	100	-	1.70	2.17	-16.94
Salem, OR	CO	Maintenance	100	-	0.08	0.09	-1.06
Salt Lake City, UT	CO	Maintenance	100	-	0.16	0.20	-1.87

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Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.78	0.96	-8.92
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.78	0.96	-8.92
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.02	1.06	-17.86
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.38	0.49	-3.76
San Diego, CA	CO	Maintenance	100	-	4.13	5.31	-40.02
San Diego, CA	Ozone	Former Subpart 1	50	-	4.13	5.32	-40.09
San Francisco Bay Area, CA	Ozone	Marginal	50	-	5.65	7.16	-58.35
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	6.38	8.09	-65.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.15	5.15	-46.18
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.16	5.16	-46.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.15	5.15	-46.18
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.04	-0.32
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.42	0.48	-5.59
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.74	1.86	-28.77
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.09	-1.06
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.02	-0.15
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.27	0.30	-3.83
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.11	-0.97
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.16	0.17	-2.87
Spokane, WA	CO	Maintenance	100	-	0.16	0.16	-2.83
Springfield (western MA), MA	Ozone	Moderate	50	-	0.71	0.90	-6.99
Springfield, MA	CO	Maintenance	100	-	0.12	0.16	-1.23
St. Louis, MO	CO	Maintenance	100	-	0.30	0.27	-6.67
St. Louis, MO-IL	Ozone	Moderate	50	-	1.67	1.92	-23.41
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.66	1.90	-23.27

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Table B.1-76
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.15	0.19	-1.50
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.21
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.03	-0.40
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.04	-0.87
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.87
Stockton, CA	CO	Maintenance	100	-	0.45	0.56	-4.87
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.22	0.21	-4.31
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	-0.02	-1.11
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.41
Toledo, OH	Ozone	Maintenance	100	-	0.33	0.38	-4.28
Toms River, NJ	CO	Maintenance	100	-	0.10	0.13	-0.95
Tooele County, UT	SO _x	Nonattainment	100	-	0.04	0.02	-1.01
Trenton, NJ	CO	Maintenance	100	-	0.07	0.09	-0.73
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Tucson, AZ	CO	Maintenance	100	-	0.84	1.05	-9.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.38	0.45	-4.55
Vancouver, WA	CO	Maintenance	100	-	0.25	0.31	-3.11
Ventura County, CA	Ozone	Serious	50	-	0.84	1.07	-8.22
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	0.01	-0.02	-1.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.06	-0.44
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.04	-0.29
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.08	0.07	-1.90
Washington, DC-MD-VA	CO	Maintenance	100	-	1.32	1.68	-13.34

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Table B.1-76
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.76	6.07	-47.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.67	5.97	-46.53
Washoe County, NV	PM ₁₀	Serious	70	-	0.19	0.25	-1.97
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.01	-0.01	-0.59
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	0.03	-1.17
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	-0.03	-1.25
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-1.25
Winston-Salem, NC	CO	Maintenance	100	-	0.27	0.32	-3.55
Worcester, MA	CO	Maintenance	100	-	0.20	0.26	-1.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.91
Yakima, WA	CO	Maintenance	100	-	0.02	0.01	-0.45
York, PA	Ozone	Maintenance	100	-	0.32	0.38	-3.97
York, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.31	-3.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.34	0.39	-4.66
Yuma, AZ	PM ₁₀	Moderate	100	-	0.16	0.20	-1.78

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.06	0.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.03	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.03	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.09	-0.12	-0.22
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.05	0.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.01	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.06	0.10
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.07	0.11
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03

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Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.02	0.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.02	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.06	0.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.03	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.03	0.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.03	0.05
Detroit, MI	CO	Maintenance	100	-	0.01	0.01	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.04	0.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.07

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.01	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.13	-0.20	-0.37
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.02	0.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.02	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.01	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.14	0.23
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	0.14	0.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.14	0.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.14	0.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.14	0.23
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.01
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.02	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.02	0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.03	0.04
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.07	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.14	0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.14	0.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.01
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.03	0.01	0.02
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.04	0.07
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.04	0.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.04	0.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.01

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.01	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.01	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.02	0.04
Sacramento, CA	CO	Maintenance	100	-	0.01	0.01	0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-77
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.04	0.06
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.04	0.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.00	-0.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.01	0.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.04	0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.04	0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.03	0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.03	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.05

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Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.01	0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.05	0.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	0.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-78
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.00
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	-0.00
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.12	0.20	-0.02
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.20	-0.02
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.09	-0.01
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.09	-0.01
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.06	-0.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.19	-0.29	-0.48
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.03	-0.00
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.09	0.15	-0.02
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	-0.00
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	-0.00
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.05	-0.00
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.00
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.13	0.21	-0.03
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.13	0.22	-0.03
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.06	-0.01
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.05	-0.00
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.02	0.03	-0.00
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.08	-0.01
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	-0.01
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.00
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	-0.00
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.00
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.05	-0.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.00
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.00
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.13	0.21	-0.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.00
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	0.09	-0.01
Denver-Boulder, CO	CO	Maintenance	100	-	0.05	0.09	-0.01
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.07	0.11	-0.01
Detroit, MI	CO	Maintenance	100	-	0.03	0.05	-0.00
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.08	0.14	-0.01
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.08	0.14	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	-0.00
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.05	-0.00
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.05	-0.00
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.00
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.00
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	-0.00
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-78
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.29	-0.44	-1.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.01
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.00
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.05	-0.01
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-78
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.00
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.03	0.05	-0.00
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.00
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.27	0.46	-0.05
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.27	0.46	-0.05
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.27	0.46	-0.05
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.27	0.46	-0.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.27	0.46	-0.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	-0.00
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.00
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	-0.00
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	-0.00
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.05	-0.01
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.07	-0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.05	0.08	-0.01
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.01
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	-0.00
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.14	0.24	-0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.27	0.45	-0.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.27	0.45	-0.04
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.05	-0.00
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.19
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.05	0.09	-0.20
Phoenix, AZ	CO	Maintenance	100	-	0.09	0.14	-0.01
Phoenix, AZ	PM ₁₀	Serious	70	-	0.09	0.15	-0.01
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.09	0.15	-0.01
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	-0.01
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	-0.01
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.04	-0.00
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	-0.00
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.04	-0.00
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.05	-0.01
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Reno, NV	CO	Maintenance	100	-	0.00	0.01	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.04	-0.00
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	-0.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.00
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.05	-0.00
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.08	-0.01
Sacramento, CA	CO	Maintenance	100	-	0.03	0.05	-0.01
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.00
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.06	-0.01
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
San Diego, CA	CO	Maintenance	100	-	0.08	0.13	-0.01
San Diego, CA	Ozone	Former Subpart 1	50	-	0.08	0.13	-0.01
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.03	0.06	-0.24
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.04	0.08	-0.24
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.08	0.13	-0.02
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.08	0.13	-0.02
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.08	0.13	-0.02
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.05	0.09	-0.02
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	-0.00
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.02	0.03	-0.00
St. Louis, MO-IL	Ozone	Moderate	50	-	0.05	0.09	-0.01
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.05	0.09	-0.01

Appendix B

Table B.1-78
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	-0.00
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	-0.00
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	-0.00
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.05	-0.00

Appendix B

Table B.1-78
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.10	0.16	-0.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.10	0.16	-0.02
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.00
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.10	0.16	-0.68
Albuquerque, NM	CO	Maintenance	100	-	0.05	0.07	-0.31
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.07	-0.31
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.11
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	-0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.56	0.85	-3.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.56	0.85	-3.72
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.03	0.05	-0.26
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.25	0.37	-1.63
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.25	0.37	-1.63
Baton Rouge, LA	Ozone	Moderate	50	-	-0.08	-0.13	-0.72
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.43	-0.71	-1.39
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Billings, MT	CO	Maintenance	100	-	0.01	0.01	-0.04
Birmingham, AL	Ozone	Maintenance	100	-	0.08	0.12	-0.52

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.52
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.04	-0.18
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.18
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.07	0.10	-0.44
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.41	0.62	-2.71
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.08	-0.35
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.09	0.14	-0.59
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.15
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.03	-0.13
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.13
Charlotte, NC	CO	Maintenance	100	-	0.06	0.09	-0.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.14	0.21	-0.91
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.28
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.26
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.57	0.87	-3.83
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.59	0.90	-3.96
Chico, CA	CO	Maintenance	100	-	0.01	0.02	-0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.15
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.16	0.24	-1.04

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.23	-1.01
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.13	0.20	-0.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.03	-0.14
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Cleveland, OH	CO	Maintenance	100	-	0.07	0.10	-0.45
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.20	0.30	-1.32
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.28	-1.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.09	-0.39
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.08	-0.34
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.34
Columbus, OH	Ozone	Maintenance	100	-	0.14	0.22	-0.94
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.20	-0.87
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.45
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.06	0.09	-0.37
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.60	0.91	-3.97
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.10	-0.42
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.25	0.38	-1.68
Denver-Boulder, CO	CO	Maintenance	100	-	0.24	0.37	-1.60
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.31	0.46	-2.02
Detroit, MI	CO	Maintenance	100	-	0.11	0.17	-0.76
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.37	0.56	-2.43
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.36	0.55	-2.39

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.06	-0.26
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.03	-0.12
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.03	-0.12
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.13
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.17
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.04	0.06	-0.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.02	-0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.19
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.06	-0.24

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.08	-0.33
Grand Rapids, MI	Ozone	Maintenance	100	-	0.07	0.10	-0.45
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.13	0.19	-0.84
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	-0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	-0.07
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.13	0.19	-0.84
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-0.41
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.46
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.11	-0.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	-0.43
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.08	0.12	-0.54
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.47	-0.84	-5.48
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.03	-0.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	-0.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.16	0.25	-1.09
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.20	-0.87
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.08
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.11
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.06	-0.26
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.14	0.21	-0.91
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	-0.03

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Table B.1-79
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.10	0.15	-0.67
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.51
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.15
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.24
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.06	-0.25
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Las Vegas, NV	CO	Serious	100	-	0.13	0.20	-0.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.13	0.20	-0.89
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.02

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Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.27	1.93	-8.49
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.27	1.93	-8.49
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.27	1.93	-8.49
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.27	1.93	-8.49
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.27	1.93	-8.49
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.06	0.09	-0.39
Louisville, KY-IN	Ozone	Maintenance	100	-	0.09	0.13	-0.58
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.13	-0.56
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.04	-0.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.17
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	0.07	0.11	-0.50
Memphis, TN	CO	Maintenance	100	-	0.07	0.10	-0.46
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.06	-0.26
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.14	0.22	-0.95
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.21	0.32	-1.62
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.23	0.35	-1.52
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.03	0.04	-0.18
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.13	0.20	-0.91
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.06	0.09	-0.40
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.05	-0.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.61	0.92	-4.03
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.17	1.78	-7.78
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.16	1.77	-7.72
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.12	0.19	-0.82
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.07
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.04	-0.19
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.18	0.24	-2.73
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.34	0.50	-3.82
Phoenix, AZ	CO	Maintenance	100	-	0.45	0.68	-2.99
Phoenix, AZ	PM ₁₀	Serious	70	-	0.46	0.70	-3.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.46	0.70	-3.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.15	0.23	-1.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.21	-0.92
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.07	-0.30

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.09	0.13	-0.61
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.12	0.18	-0.78
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.08	0.12	-0.53
Provo, UT	CO	Maintenance	100	-	0.01	0.02	-0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.11	0.17	-0.73
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.15	0.23	-1.00
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.17
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.17
Reno, NV	CO	Maintenance	100	-	0.02	0.03	-0.13
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.10	0.15	-0.64
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.09	-0.39
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.16	-0.70
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.14	0.21	-0.90
Sacramento Metro, CA	Ozone	Severe	25	-	0.25	0.38	-1.64
Sacramento, CA	CO	Maintenance	100	-	0.15	0.23	-1.01
Salem, OR	CO	Maintenance	100	-	0.01	0.02	-0.07
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.02	-0.12

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.08	0.13	-0.56
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	0.13	-0.56
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.15	0.23	-1.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.06	-0.24
San Diego, CA	CO	Maintenance	100	-	0.37	0.56	-2.43
San Diego, CA	Ozone	Former Subpart 1	50	-	0.37	0.56	-2.44
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.33	0.47	-4.15
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.40	0.58	-4.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.40	0.61	-2.71
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.40	0.61	-2.72
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.40	0.61	-2.71
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	0.08	-0.35
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.24	0.37	-1.66
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	-0.06
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.16
Spokane, WA	CO	Maintenance	100	-	0.02	0.04	-0.16
Springfield (western MA), MA	Ozone	Moderate	50	-	0.07	0.11	-0.46
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	-0.08
St. Louis, MO	CO	Maintenance	100	-	0.06	0.10	-0.43
St. Louis, MO-IL	Ozone	Moderate	50	-	0.22	0.34	-1.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.22	0.34	-1.48

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.09
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Stockton, CA	CO	Maintenance	100	-	0.04	0.06	-0.28
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.06	-0.26
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.06	-0.28
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.05
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.08	0.13	-0.56
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.06	-0.27
Vancouver, WA	CO	Maintenance	100	-	0.03	0.04	-0.18
Ventura County, CA	Ozone	Serious	50	-	0.07	0.11	-0.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.11
Washington, DC-MD-VA	CO	Maintenance	100	-	0.13	0.19	-0.84

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.45	0.69	-3.00
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.44	0.67	-2.93
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.03	-0.13
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.07
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.05	-0.22
Worcester, MA	CO	Maintenance	100	-	0.02	0.03	-0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	-0.02
York, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.24
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.05	0.07	-0.31
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.20	0.31	-0.91
Albuquerque, NM	CO	Maintenance	100	-	0.09	0.14	-0.41
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.09	0.14	-0.42
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.16
Anchorage, AK	CO	Maintenance	100	-	0.02	0.04	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.12	1.74	-5.15
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.12	1.74	-5.15
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.07	0.10	-0.37
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.48	0.75	-2.22
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.48	0.75	-2.22
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.11	-0.94
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.53	-0.88	-1.77
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.04	-0.11
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.04	-0.11
Billings, MT	CO	Maintenance	100	-	0.01	0.02	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.15	0.23	-0.67

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.15	0.23	-0.67
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.08	-0.25
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.08	-0.25
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.13	0.20	-0.58
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.79	1.22	-3.62
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	0.16	-0.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.17	0.26	-0.77
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	0.06	-0.19
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.19
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.04	0.06	-0.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.16
Charlotte, NC	CO	Maintenance	100	-	0.13	0.19	-0.57
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.27	0.42	-1.25
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.07	0.11	-0.34
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.12	1.74	-5.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.16	1.80	-5.37
Chico, CA	CO	Maintenance	100	-	0.02	0.04	-0.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.30	0.47	-1.39

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	0.45	-1.35
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.28	0.43	-1.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.07	-0.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.12
Cleveland, OH	CO	Maintenance	100	-	0.12	0.18	-0.54
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.37	0.57	-1.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.34	0.52	-1.56
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.13	0.20	-0.58
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.10	0.16	-0.47
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.10	0.16	-0.46
Columbus, OH	Ozone	Maintenance	100	-	0.29	0.44	-1.31
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.27	0.41	-1.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.12	0.18	-0.54
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.10	0.16	-0.47
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.22	1.89	-5.61
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.12	0.18	-0.53
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.16	-0.47
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.51	0.79	-2.35
Denver-Boulder, CO	CO	Maintenance	100	-	0.49	0.76	-2.24
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.62	0.96	-2.83
Detroit, MI	CO	Maintenance	100	-	0.18	0.29	-0.85
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.70	1.09	-3.22
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.69	1.07	-3.16

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.08	0.12	-0.36
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.03	0.05	-0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	0.06	-0.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	0.06	-0.16
Evansville, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	0.07	-0.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.07	0.12	-0.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.05	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.06	0.09	-0.26
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.04	-0.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.08	0.12	-0.35

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	-0.02
Fresno, CA	CO	Maintenance	100	-	0.10	0.16	-0.46
Grand Rapids, MI	Ozone	Maintenance	100	-	0.13	0.21	-0.61
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.24	0.37	-1.09
Greeley, CO	CO	Maintenance	100	-	0.02	0.03	-0.09
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.24	0.37	-1.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.18	-0.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.13	0.20	-0.58
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.14	0.22	-0.64
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.20	-0.59
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.15	0.23	-0.69
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	-0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.19
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.22	-0.47	-7.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.19
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.02	0.03	-0.10
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.06	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.06	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.32	0.50	-1.49
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.26	0.40	-1.18
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.10
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.03	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.14
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.07	0.11	-0.34
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.27	0.42	-1.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.04	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.03

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.20	0.32	-0.94
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.15	0.24	-0.71
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.04	0.06	-0.19
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.07
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.07	0.11	-0.32
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.32
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.07	0.11	-0.33
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.06
Las Vegas, NV	CO	Serious	100	-	0.28	0.43	-1.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.28	0.43	-1.29
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03

Appendix B

Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.55	3.94	-11.75
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.55	3.94	-11.75
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.55	3.94	-11.75
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.55	3.94	-11.75
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.55	3.94	-11.74
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.12	0.18	-0.54
Louisville, KY-IN	Ozone	Maintenance	100	-	0.16	0.25	-0.75
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.16	0.24	-0.71
Lowell, MA	CO	Maintenance	100	-	0.02	0.03	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.04	0.06	-0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.03	0.04	-0.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.04	0.07	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.04	0.07	-0.20
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.22
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	0.02	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.14	0.21	-0.63
Memphis, TN	CO	Maintenance	100	-	0.13	0.19	-0.59
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.02

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.07	0.11	-0.34
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.28	0.43	-1.26
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.44	0.67	-2.20
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.45	0.70	-2.07
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	0.06	0.09	-0.27
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.09
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.27	0.41	-1.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.14
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.11	0.17	-0.51
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.06	0.09	-0.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.15	1.77	-5.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2.24	3.47	-10.28
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2.22	3.44	-10.19
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.23	0.36	-1.07
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.03	-0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.02	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	0.08	-0.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.44	0.65	-3.55
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.75	1.14	-5.00
Phoenix, AZ	CO	Maintenance	100	-	0.99	1.53	-4.55
Phoenix, AZ	PM ₁₀	Serious	70	-	1.02	1.57	-4.66
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.02	1.58	-4.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.28	0.44	-1.30
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.40	-1.18
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.09	0.13	-0.39

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.17	0.26	-0.80
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.24	0.38	-1.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.16	0.24	-0.71
Provo, UT	CO	Maintenance	100	-	0.03	0.04	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.22	0.35	-1.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.30	0.47	-1.40
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.05	0.08	-0.23
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.23
Reno, NV	CO	Maintenance	100	-	0.04	0.06	-0.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.18	0.29	-0.85
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.13	0.20	-0.58
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.20	0.31	-0.91
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	0.04	-0.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.29	0.44	-1.31
Sacramento Metro, CA	Ozone	Severe	25	-	0.53	0.82	-2.43
Sacramento, CA	CO	Maintenance	100	-	0.32	0.50	-1.48
Salem, OR	CO	Maintenance	100	-	0.02	0.03	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.03	0.05	-0.16

Appendix B

Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.16	0.25	-0.76
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.16	0.25	-0.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.30	0.47	-1.40
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	0.11	-0.33
San Diego, CA	CO	Maintenance	100	-	0.77	1.18	-3.51
San Diego, CA	Ozone	Former Subpart 1	50	-	0.77	1.19	-3.52
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.83	1.26	-5.75
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.97	1.46	-6.36
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.85	1.31	-3.95
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.85	1.31	-3.95
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.85	1.31	-3.95
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.10	0.15	-0.46
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.49	0.75	-2.29
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.03	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.07	0.10	-0.31
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	0.08	-0.22
Spokane, WA	CO	Maintenance	100	-	0.05	0.07	-0.22
Springfield (western MA), MA	Ozone	Moderate	50	-	0.13	0.21	-0.61
Springfield, MA	CO	Maintenance	100	-	0.02	0.04	-0.11
St. Louis, MO	CO	Maintenance	100	-	0.11	0.17	-0.51
St. Louis, MO-IL	Ozone	Moderate	50	-	0.41	0.64	-1.90
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.41	0.64	-1.89

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	-0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.06
Stockton, CA	CO	Maintenance	100	-	0.09	0.14	-0.42
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.07	0.11	-0.33
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.08	0.12	-0.35
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.07
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.17	0.26	-0.78
Utah County, UT	PM ₁₀	Moderate	100	-	0.08	0.13	-0.38
Vancouver, WA	CO	Maintenance	100	-	0.06	0.09	-0.26
Ventura County, CA	Ozone	Serious	50	-	0.16	0.24	-0.72
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.02	0.03	-0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.25	0.39	-1.16

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Table B.1-80
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.91	1.40	-4.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.88	1.37	-4.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	0.06	-0.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.08
Winston-Salem, NC	CO	Maintenance	100	-	0.06	0.10	-0.29
Worcester, MA	CO	Maintenance	100	-	0.04	0.06	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.07
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.03
York, PA	Ozone	Maintenance	100	-	0.07	0.11	-0.33
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-0.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.08	0.13	-0.38
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.05	-0.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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**Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.63
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.29
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.29
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.08
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.07
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.12	0.16	3.23
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.16	3.24
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.07	-0.10	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.07	1.45
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.07	1.45
Baton Rouge, LA	Ozone	Moderate	50	-	-4.88	-6.82	-12.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-15.57	-21.76	-39.64
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.09
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.07
Billings, MT	CO	Maintenance	100	-	-2.59	-3.62	-6.59
Birmingham, AL	Ozone	Maintenance	100	-	-0.21	-0.30	-0.09

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Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.21	-0.30	-0.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.16
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.16
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.02	0.42
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.09	0.12	2.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.32
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.57
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.41	-0.57	-0.92
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.41	-0.57	-0.92
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.14
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.04	0.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.24
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-7.12	-9.96	-15.10
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-7.12	-9.95	-14.98
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.12
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.05	0.97

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.04	0.71
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.13
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.09
Cleveland, OH	CO	Maintenance	100	-	0.02	0.02	0.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.06	1.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	1.18
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.30
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.28
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.32
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.04	0.81
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.75
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.02	0.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.12	0.17	3.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	0.42
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-3.12	-4.37	-6.68
Denver-Boulder, CO	CO	Maintenance	100	-	-3.12	-4.37	-6.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-3.11	-4.35	-6.39
Detroit, MI	CO	Maintenance	100	-	-2.43	-3.40	-5.49
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-3.12	-4.36	-5.91
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-3.12	-4.36	-5.96

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-5.73	-8.01	-14.56
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.73	-2.41	-4.20
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.13
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.16
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.15
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.26
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.18
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.20

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.28
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.39
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.04	0.82
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.06
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.06
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.04	0.80
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.40
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.45
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.02	0.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.38
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	0.53
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-23.69	-33.10	-58.09
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.13	-4.38	-7.87
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.14	-4.38	-7.94
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.10
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.05	0.97
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.77
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.08
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.25
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.03	0.04	0.81
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.07
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.57
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.44
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.15
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.22
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.22
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.23
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.05
Las Vegas, NV	CO	Serious	100	-	0.03	0.04	0.71
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.04	0.72
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-3.98	-5.57	-10.13
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-11.02	-15.41	-21.50
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-11.02	-15.41	-21.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-11.02	-15.41	-21.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-11.02	-15.41	-21.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-11.02	-15.41	-21.50
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.33
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	0.56
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.54
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.12
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.16
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.21	-1.69	-2.64
Memphis, TN	CO	Maintenance	100	-	-1.21	-1.69	-2.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.26
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.03	0.04	0.87
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.05	0.07	1.40
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.05	0.07	1.36
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	0.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.39
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.14	-1.60	0.59
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.49	-2.11	2.79
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.50	-2.11	2.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

Appendix B

Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-4.41	-6.17	-10.58
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.05
Perth Amboy, NJ	CO	Maintenance	100	-	-0.47	-0.66	-1.18
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.20
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-6.80	-9.51	-15.41
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-6.78	-9.49	-14.43
Phoenix, AZ	CO	Maintenance	100	-	0.08	0.10	2.15
Phoenix, AZ	PM ₁₀	Serious	70	-	0.08	0.11	2.21
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.08	0.11	2.22
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.99
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.91
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.27

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**Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	-0.01	0.51
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.03	0.65
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.02	0.48
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.08
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.03	0.63
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	0.04	0.85
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.16
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.16
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.02	0.02	0.59
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	0.66
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.09
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.03	0.70
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	0.06	1.25
Sacramento, CA	CO	Maintenance	100	-	0.03	0.04	0.78
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.06
Salt Lake City, UT	CO	Maintenance	100	-	-1.11	-1.55	-2.73

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**Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.09	-1.53	-2.34
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.02	0.50
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.03	0.04	0.90
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.21
San Diego, CA	CO	Maintenance	100	-	0.07	0.10	1.96
San Diego, CA	Ozone	Former Subpart 1	50	-	0.07	0.10	1.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-9.06	-12.67	-20.39
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-9.05	-12.65	-19.97
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	-0.01	1.93
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	1.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	1.93
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.33
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.05	0.07	1.44
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.06
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.22
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.14
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.14
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.02	0.44
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.07
St. Louis, MO	CO	Maintenance	100	-	0.02	0.02	0.47
St. Louis, MO-IL	Ozone	Moderate	50	-	-17.79	-24.86	-44.15
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-17.79	-24.86	-44.16

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Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.04	-0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.22
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.26
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.07
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-4.14	-5.78	-10.34
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.02	0.48
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.23
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.15
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.38
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.04	0.77

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Table B.1-81
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.10	0.13	2.60
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.10	0.13	2.55
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.88	-2.63	-4.79
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.20
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.22
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.17
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.32
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.09

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.16	2.59
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.07	1.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.29
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.08	1.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.21
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.34
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.29
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.26	0.85	13.56
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.26	0.85	13.57
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Bakersfield, CA	CO	Maintenance	100	-	-0.16	-0.22	0.43
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.12	0.38	6.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.38	6.05
Baton Rouge, LA	Ozone	Moderate	50	-	-10.57	-16.44	-26.10
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-33.74	-52.60	-86.92
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.36
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.30
Billings, MT	CO	Maintenance	100	-	-5.61	-8.74	-14.43
Birmingham, AL	Ozone	Maintenance	100	-	-0.46	-0.65	0.75

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Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.46	-0.65	0.76
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.04	0.66
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.04	0.66
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Boston, MA	CO	Maintenance	100	-	0.03	0.11	1.73
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.20	0.65	10.33
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.08	1.32
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.15	2.33
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.89	-1.37	-1.75
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.89	-1.37	-1.75
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.04	0.56
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.56
Charlotte, NC	CO	Maintenance	100	-	0.03	0.09	1.49
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.21	3.33
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.07	1.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.06	1.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-15.43	-23.60	-26.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-15.42	-23.57	-26.04
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.22
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.51
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.25	3.99

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Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.24	3.87
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.19	3.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.53
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.36
Cleveland, OH	CO	Maintenance	100	-	0.04	0.12	1.89
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.33	5.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.30	4.80
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.08	1.30
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.12
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.08	1.20
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.08	1.32
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.21	3.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.20	3.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.12	1.89
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.10	1.55
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.27	0.89	14.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.11	1.69
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.09	1.49
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-6.76	-10.35	-11.83
Denver-Boulder, CO	CO	Maintenance	100	-	-6.77	-10.37	-12.10
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-6.74	-10.27	-10.59
Detroit, MI	CO	Maintenance	100	-	-5.25	-8.09	-10.60
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.76	-10.23	-8.67
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.76	-10.25	-8.85

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**Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.16
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-12.42	-19.35	-31.88
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-3.74	-5.80	-8.79
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.06
Erie, PA	Ozone	Maintenance	100	-	0.01	0.03	0.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.03	0.47
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.45
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.51
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.66
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.60
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.02	0.07	1.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.36
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.05	0.74
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.31
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.26
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.05	0.84

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	0.02	0.07	1.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.10	1.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.21	3.32
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	0.25
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	0.25
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.21	3.28
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.10	1.62
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.04	0.11	1.81
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.23
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.11	1.73
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.10	1.60
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.14	2.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.08
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.08
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.59
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-51.31	-79.66	-122.54
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.79	-10.57	-17.06
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.79	-10.58	-17.34
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.03	0.44
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.43
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.25	4.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.20	3.21
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.16
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.31
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	0.25
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.44
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.20
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.22
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.06	1.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.21	3.37
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.29
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.10

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.15	2.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.12	1.86
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.61
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.13
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.06	0.91
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.91
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.06	0.96
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.20
Las Vegas, NV	CO	Serious	100	-	0.06	0.19	3.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.19	3.09
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.18
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-8.63	-13.45	-22.22
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.18
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.09

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**Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-23.86	-36.21	-32.67
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-23.86	-36.21	-32.67
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-23.86	-36.21	-32.67
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-23.86	-36.21	-32.67
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-23.86	-36.21	-32.67
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.09	1.40
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.14	2.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.14	2.21
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.23
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.12
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.42
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.42
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.01	0.03	0.50
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.16
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.20
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.63
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.23
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.64
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.16
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.38
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.62	-4.03	-4.90
Memphis, TN	CO	Maintenance	100	-	-2.63	-4.04	-5.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.07	1.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.07	0.23	3.60
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.11	0.37	5.83
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.11	0.36	5.67
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.12
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Modesto, CA	CO	Maintenance	100	-	0.01	0.04	0.63
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.21
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.06
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.23
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.26
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.12
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.21	3.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.29
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.28
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.10	1.59
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.06	0.92
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.47	-3.34	8.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.24	-4.09	20.09
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.25	-4.10	19.83
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.08

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-9.56	-14.81	-21.82
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.14
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.22
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.29
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.29
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.20
Perth Amboy, NJ	CO	Maintenance	100	-	-1.03	-1.60	-2.52
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.05	0.79
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-14.74	-22.70	-29.79
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-14.70	-22.50	-25.69
Phoenix, AZ	CO	Maintenance	100	-	0.18	0.59	9.52
Phoenix, AZ	PM ₁₀	Serious	70	-	0.18	0.61	9.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.18	0.61	9.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.25	4.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.23	3.69
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.02	0.07	1.13

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	0.06	2.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.17	2.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.12	1.99
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.33
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.17	2.64
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.23	3.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.04	0.67
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.67
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.49
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.13	2.44
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.08	1.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.53
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.16
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.17	2.70
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.38
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.24
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.19	3.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.11	0.34	5.44
Sacramento, CA	CO	Maintenance	100	-	0.07	0.21	3.38
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.26
Salt Lake City, UT	CO	Maintenance	100	-	-2.40	-3.72	-5.82

Appendix B

Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.36	-3.62	-4.17
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.13	2.08
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.24	3.76
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.05	0.87
San Diego, CA	CO	Maintenance	100	-	0.16	0.53	8.41
San Diego, CA	Ozone	Former Subpart 1	50	-	0.16	0.53	8.42
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-19.62	-30.19	-38.71
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-19.59	-30.08	-36.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.30	8.74
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.30	8.78
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.30	8.74
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.08	1.35
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.12	0.38	6.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	0.24
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.06	0.91
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.33
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.60
Spokane, WA	CO	Maintenance	100	-	0.01	0.04	0.59
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.11	1.80
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.29
St. Louis, MO	CO	Maintenance	100	-	0.04	0.12	1.85
St. Louis, MO-IL	Ozone	Moderate	50	-	-38.54	-59.92	-94.48
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-38.54	-59.92	-94.52

Appendix B

Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.35
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.06	-0.09	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.06	-0.09	0.02
Stockton, CA	CO	Maintenance	100	-	0.02	0.06	0.94
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.07	1.04
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	0.27
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Toledo, OH	Ozone	Maintenance	100	-	-8.97	-13.95	-22.25
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.20
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.20
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.18
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.04	0.13	2.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.06	0.98
Vancouver, WA	CO	Maintenance	100	-	0.01	0.04	0.63
Ventura County, CA	Ozone	Serious	50	-	0.02	0.09	1.67
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.27
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.11
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.03	0.43
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.20	3.16

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Table B.1-82
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.21	0.69	10.91
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.21	0.67	10.69
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.49
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.14
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.09	-6.37	-10.48
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.30
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.05	0.83
Worcester, MA	CO	Maintenance	100	-	0.01	0.03	0.44
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.19
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.08
York, PA	Ozone	Maintenance	100	-	0.02	0.06	0.90
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.70
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.08	1.29
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.38

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.80	11.73
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.36	5.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.10	1.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.37	5.41
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.06	0.86
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.13	1.85
Anchorage, AK	CO	Maintenance	100	-	0.01	0.09	1.38
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Atlanta, GA	Ozone	Moderate	50	-	0.68	4.38	64.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.69	4.38	64.15
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.03	0.45
Bakersfield, CA	CO	Maintenance	100	-	-0.38	-0.41	3.14
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.09
Baltimore, MD	Ozone	Moderate	50	-	0.30	1.92	28.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.30	1.92	28.07
Baton Rouge, LA	Ozone	Moderate	50	-	-25.17	-41.34	-61.47
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-80.37	-132.84	-213.11
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.10	1.49
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.24
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.09	1.38
Billings, MT	CO	Maintenance	100	-	-13.36	-22.07	-35.34
Birmingham, AL	Ozone	Maintenance	100	-	-1.10	-1.36	5.71

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Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.10	-1.36	5.74
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.21	3.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.21	3.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.17
Boston, MA	CO	Maintenance	100	-	0.08	0.52	7.64
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.50	3.19	46.74
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.42	6.11
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.08
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.11	0.70	10.24
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.06
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.17
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.12	-3.38	-3.24
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.12	-3.38	-3.24
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.39
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.05
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.16	2.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.16	2.32
Charlotte, NC	CO	Maintenance	100	-	0.08	0.49	7.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.17	1.07	15.68
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.33	4.84
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.30	4.45
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-36.71	-57.43	-34.92
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-36.69	-57.28	-32.69
Chico, CA	CO	Maintenance	100	-	0.01	0.08	1.19
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.18	2.61
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.19	1.23	18.01

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Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	1.19	17.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Clark County, NV	PM ₁₀	Serious	70	-	0.16	1.04	15.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.17	2.47
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.11	1.60
Cleveland, OH	CO	Maintenance	100	-	0.08	0.53	7.72
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.24	1.55	22.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.22	1.42	20.84
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.46	6.76
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.03	0.49
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.40	5.79
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.41	5.94
Columbus, OH	Ozone	Maintenance	100	-	0.17	1.11	16.21
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.16	1.03	15.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.08	0.53	7.72
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.07	0.44	6.42
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.73	4.68	68.51
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.49	7.23
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.44	6.37
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-16.08	-25.14	-15.19
Denver-Boulder, CO	CO	Maintenance	100	-	-16.09	-25.23	-16.46
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-16.01	-24.73	-9.22
Detroit, MI	CO	Maintenance	100	-	-12.33	-19.74	-20.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-16.08	-24.49	-2.60
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-16.09	-24.55	-3.39

Appendix B

**Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.31
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.25
Duluth, MN	CO	Maintenance	100	-	0.01	0.05	0.69
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-29.58	-48.86	-77.94
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.91	-14.52	-19.58
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.28
Erie, PA	Ozone	Maintenance	100	-	0.02	0.14	1.98
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.15	2.15
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.14	2.06
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.15	2.27
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.20	2.89
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.17
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.18	2.68
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Flint, MI	Ozone	Maintenance	100	-	0.05	0.31	4.58
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.12	1.75
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.23	3.32
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.10	1.42
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.08	1.19
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.28	4.16

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Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.18
Fresno, CA	CO	Maintenance	100	-	0.06	0.39	5.74
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.53	7.69
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.02	0.34
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.33
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.16
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	0.99	14.52
Greeley, CO	CO	Maintenance	100	-	0.01	0.08	1.18
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.08	1.14
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.03	0.44
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.40
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.99	14.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.49	7.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.08	0.54	7.85
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.20
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.07	1.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.55	8.06
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.51	7.43
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.10	0.63	9.28
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.39
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.02	0.36
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.10	1.53
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.18	2.57
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-122.19	-199.56	-277.71
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-16.17	-26.63	-41.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-16.18	-26.72	-42.27
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.25
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.15	2.20
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.15	2.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.29
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.20	1.28	18.80
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	1.02	14.93
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.05	0.70
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.09	1.37
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.08	1.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.13	1.89
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.05	0.78
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.86
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.31	4.48
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.29
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	1.07	15.68
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.09	1.36
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.25
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.74
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.22
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.03	0.43

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.43
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.79	11.54
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.60	8.80
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.18	2.60
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.02	0.31
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.33
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.05	0.72
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.18
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.28	4.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.28	4.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.29	4.31
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.06	0.82
Las Vegas, NV	CO	Serious	100	-	0.16	1.04	15.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.16	1.05	15.40
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.05	0.75
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.11
Lima, OH	Ozone	Maintenance	100	-	-20.55	-33.97	-54.44
Longmont, CO	CO	Maintenance	100	-	0.01	0.06	0.91
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.42

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-56.70	-86.45	-10.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-56.70	-86.45	-10.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-56.70	-86.45	-10.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-56.70	-86.45	-10.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-56.70	-86.45	-10.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.46	6.68
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.68	9.99
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.65	9.57
Lowell, MA	CO	Maintenance	100	-	0.01	0.07	1.07
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.17	2.54
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.03	0.51
Macon, GA	Ozone	Maintenance	100	-	0.02	0.12	1.76
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.12	1.74
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.03	0.17	2.43
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Manchester, NH	CO	Maintenance	100	-	0.01	0.04	0.65
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.06	0.88
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.18	2.68
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.08	1.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.20	2.90
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.24
Medford, OR	CO	Maintenance	100	-	0.01	0.05	0.79
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.13	1.89
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.25	-9.91	-8.51
Memphis, TN	CO	Maintenance	100	-	-6.26	-9.95	-9.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.29

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.31	4.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.17	1.12	16.32
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.29	1.84	26.98
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.28	1.79	26.21
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.57
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.55
Modesto, CA	CO	Maintenance	100	-	0.03	0.22	3.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.07	1.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.33
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.25
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.06	0.94
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.08	1.18
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.52
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	1.06	15.52
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.11	1.58
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.09	1.36
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.07	0.47	6.88
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.26	3.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.88	-6.20	51.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-7.68	-5.92	109.68
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-7.70	-6.00	108.49
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.38

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-22.77	-36.97	-47.63
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.62
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.62
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.18
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	1.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.09	1.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.09	1.27
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.19
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.06	0.85
Perth Amboy, NJ	CO	Maintenance	100	-	-2.45	-4.01	-5.81
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.22	3.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-35.10	-56.10	-56.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-35.00	-54.97	-37.58
Phoenix, AZ	CO	Maintenance	100	-	0.53	3.49	51.47
Phoenix, AZ	PM ₁₀	Serious	70	-	0.55	3.59	52.88
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.55	3.60	53.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.02	0.24
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.18	1.18	17.45
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.16	1.08	15.93
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.19
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.05	0.35	5.10

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.02	0.49	10.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.38
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.92	13.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.62	9.13
Provo, UT	CO	Maintenance	100	-	0.02	0.11	1.61
Raleigh-Durham, NC	CO	Maintenance	100	-	0.14	0.87	12.68
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.18	1.18	17.23
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.03	0.20	2.98
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.20	2.98
Reno, NV	CO	Maintenance	100	-	0.02	0.15	2.22
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.08	0.70	10.95
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.50
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.46	6.76
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.16	2.29
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.05	0.75
Rochester, NY	Ozone	Former Subpart 1	50	-	0.13	0.82	12.00
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.11	1.62
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	1.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	1.06	15.44
Sacramento Metro, CA	Ozone	Severe	25	-	0.30	1.94	28.32
Sacramento, CA	CO	Maintenance	100	-	0.19	1.19	17.35
Salem, OR	CO	Maintenance	100	-	0.01	0.08	1.16
Salt Lake City, UT	CO	Maintenance	100	-	-5.71	-9.34	-13.44

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.63	-8.83	-5.84
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.66	9.59
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	1.20	17.55
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.28	4.15
San Diego, CA	CO	Maintenance	100	-	0.45	2.87	41.97
San Diego, CA	Ozone	Former Subpart 1	50	-	0.45	2.87	42.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-46.68	-74.12	-65.44
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-46.60	-73.58	-57.53
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	2.47	45.35
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	2.48	45.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	2.47	45.35
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.33
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.06	0.41	6.00
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	1.94	28.42
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.08	1.10
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.19
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.28	4.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.07	1.30
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.19	2.81
Spokane, WA	CO	Maintenance	100	-	0.03	0.19	2.78
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.55	8.01
Springfield, MA	CO	Maintenance	100	-	0.01	0.09	1.34
St. Louis, MO	CO	Maintenance	100	-	0.08	0.50	7.37
St. Louis, MO-IL	Ozone	Moderate	50	-	-91.81	-150.65	-222.33
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-91.81	-150.66	-222.50

Appendix B

Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.11	1.63
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.02	0.35
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.15	-0.21	0.36
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.15	-0.21	0.36
Stockton, CA	CO	Maintenance	100	-	0.05	0.33	4.81
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.31	4.47
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.07	1.08
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.48
Toledo, OH	Ozone	Maintenance	100	-	-21.36	-35.11	-52.91
Toms River, NJ	CO	Maintenance	100	-	0.01	0.07	0.99
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.06	0.94
Trenton, NJ	CO	Maintenance	100	-	0.01	0.06	0.81
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	0.10	0.66	9.60
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.32	4.69
Vancouver, WA	CO	Maintenance	100	-	0.03	0.21	3.12
Ventura County, CA	Ozone	Serious	50	-	0.06	0.54	8.48
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.07	1.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	0.50
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.02	0.33
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.13	1.89
Washington, DC-MD-VA	CO	Maintenance	100	-	0.15	0.99	14.43

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Table B.1-83
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.55	3.53	51.66
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.54	3.45	50.52
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.15	2.22
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.58
Wayne County, MI	PM ₁₀	Maintenance	100	-	-9.79	-16.16	-25.63
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.08	1.22
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.08	1.22
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.26	3.76
Worcester, MA	CO	Maintenance	100	-	0.02	0.14	2.11
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.86
Yakima, WA	CO	Maintenance	100	-	0.00	0.03	0.39
York, PA	Ozone	Maintenance	100	-	0.04	0.28	4.17
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.22	3.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.36	5.33
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.13	1.84

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.18	1.21	17.25
Albuquerque, NM	CO	Maintenance	100	-	0.08	0.55	7.75
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.15	2.19
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.08	0.56	7.92
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.08	1.17
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.22	3.12
Anchorage, AK	CO	Maintenance	100	-	0.02	0.15	2.10
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Atlanta, GA	Ozone	Moderate	50	-	1.02	6.87	97.64
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.02	6.87	97.67
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.04	0.64
Bakersfield, CA	CO	Maintenance	100	-	-0.47	-0.44	5.10
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.12
Baltimore, MD	Ozone	Moderate	50	-	0.44	2.96	42.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.44	2.96	42.08
Baton Rouge, LA	Ozone	Moderate	50	-	-31.93	-52.72	-77.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-101.97	-169.74	-273.45
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.14	2.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.38
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.15	2.08
Billings, MT	CO	Maintenance	100	-	-16.95	-28.20	-45.30
Birmingham, AL	Ozone	Maintenance	100	-	-1.38	-1.63	8.52

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.38	-1.63	8.57
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.05	0.33	4.70
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.05	0.33	4.70
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.02	0.27
Boston, MA	CO	Maintenance	100	-	0.12	0.78	11.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.71	4.82	68.59
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.10	0.64	9.16
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.15	1.03	14.62
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.06
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.22
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.31
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.69	-4.29	-3.88
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.69	-4.29	-3.88
Case County, MI	Ozone	Maintenance	100	-	0.01	0.04	0.55
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.22	3.13
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.22	3.13
Charlotte, NC	CO	Maintenance	100	-	0.11	0.77	10.88
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.25	1.67	23.78
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.07	0.48	6.91
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.06	0.45	6.40
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-46.45	-72.24	-31.33
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-46.42	-72.01	-28.02
Chico, CA	CO	Maintenance	100	-	0.02	0.14	2.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	0.30	4.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.28	1.86	26.40

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	1.80	25.55
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Clark County, NV	PM ₁₀	Serious	70	-	0.25	1.70	24.16
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.04	0.26	3.74
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.16	2.28
Cleveland, OH	CO	Maintenance	100	-	0.11	0.72	10.27
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.34	2.27	32.24
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.31	2.07	29.48
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.12	0.78	11.06
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.05	0.65
Colorado Springs, CO	CO	Maintenance	100	-	0.09	0.63	8.99
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	0.09	0.62	8.75
Columbus, OH	Ozone	Maintenance	100	-	0.26	1.74	24.81
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.24	1.62	23.11
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.11	0.72	10.27
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.09	0.62	8.86
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.11	7.48	106.39
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.11	0.71	10.09
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.62	8.86
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-20.33	-31.53	-12.22
Denver-Boulder, CO	CO	Maintenance	100	-	-20.35	-31.67	-14.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-20.23	-30.88	-3.00
Detroit, MI	CO	Maintenance	100	-	-16.58	-26.79	-29.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-20.31	-30.64	3.83
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-20.33	-30.72	2.68

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.04	0.53
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.44
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.36
Duluth, MN	CO	Maintenance	100	-	0.01	0.07	0.96
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-37.53	-62.43	-99.95
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.30	-18.47	-24.23
El Paso, TX	CO	Maintenance	100	-	0.00	0.03	0.40
Erie, PA	Ozone	Maintenance	100	-	0.03	0.20	2.78
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.03	0.23	3.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.03	0.22	3.10
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.23	3.26
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.29	4.12
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.02	0.26
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	0.27	3.91
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Flint, MI	Ozone	Maintenance	100	-	0.07	0.46	6.51
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.03	0.19	2.74
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.05	0.34	4.85
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.15	2.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.02	0.12	1.75
Fredericksburg, VA	Ozone	Maintenance	100	-	0.07	0.46	6.57

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.02	0.30
Fresno, CA	CO	Maintenance	100	-	0.09	0.62	8.79
Grand Rapids, MI	Ozone	Maintenance	100	-	0.12	0.82	11.61
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.45
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.52
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	0.22	1.45	20.66
Greeley, CO	CO	Maintenance	100	-	0.02	0.13	1.79
Green Bay, WI	SO _x	Maintenance	100	-	0.02	0.12	1.66
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.05	0.64
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.56
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.22	1.47	20.95
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.11	0.72	10.17
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.12	0.78	11.08
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.29
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	0.11	1.53
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.13	0.85	12.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.78	11.15
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.14	0.92	13.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.62
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.07
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.04	0.53
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.15	2.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	0.26	3.64
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-154.92	-254.07	-345.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-20.51	-34.01	-52.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-20.53	-34.14	-54.26
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.34
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.24	3.48
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.24	3.41
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.03	0.41
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.29	1.98	28.16
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.23	1.58	22.41
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.07	1.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.14	1.96
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.11	1.59
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.03	0.19	2.66
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.07	0.97
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.08	1.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.07	0.45	6.39
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.45
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.25	1.66	23.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.14	2.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.03	0.39
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.07	1.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.30
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.15
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.04	0.61

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Table B.1-84
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.61
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.19	1.25	17.77
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.14	0.94	13.40
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.40
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.20
Lake County, IN	SO _x	Maintenance	100	-	0.04	0.25	3.59
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.45
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.04	0.56
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.09	1.28
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.02	0.26
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.06	0.43	6.14
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.43	6.14
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.07	0.44	6.26
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.08	1.11
Las Vegas, NV	CO	Serious	100	-	0.25	1.70	24.16
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.25	1.72	24.41
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.07	1.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Lima, OH	Ozone	Maintenance	100	-	-26.08	-43.41	-69.85
Longmont, CO	CO	Maintenance	100	-	0.02	0.10	1.46
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.61

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-71.61	-107.61	20.58
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-71.61	-107.61	20.58
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-71.61	-107.61	20.58
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-71.61	-107.61	20.58
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-71.61	-107.61	20.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.11	0.72	10.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.15	1.00	14.23
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.95	13.53
Lowell, MA	CO	Maintenance	100	-	0.02	0.12	1.65
Lucas County, OH	SO _x	Maintenance	100	-	0.04	0.24	3.47
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.04	0.70
Macon, GA	Ozone	Maintenance	100	-	0.02	0.17	2.38
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.17	2.35
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	0.04	0.27	3.82
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.20
Manchester, NH	CO	Maintenance	100	-	0.01	0.06	0.85
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.09	1.24
Marion County, IN	SO _x	Maintenance	100	-	0.04	0.26	3.72
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.14	1.94
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.30	4.23
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.36
Medford, OR	CO	Maintenance	100	-	0.01	0.09	1.25
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	0.21	3.02
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.92	-12.58	-10.06
Memphis, TN	CO	Maintenance	100	-	-7.93	-12.64	-10.92
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.46

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.06
Milwaukee, WI	SO _x	Maintenance	100	-	0.07	0.45	6.43
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.25	1.69	23.98
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.42	2.84	40.37
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.41	2.76	39.19
Missoula, MT	CO	Maintenance	100	-	0.01	0.06	0.85
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.06	0.82
Modesto, CA	CO	Maintenance	100	-	0.05	0.36	5.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.12	1.76
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Morristown, NJ	CO	Maintenance	100	-	0.01	0.04	0.54
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.34
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.09	1.23
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.21
Muskegon, MI	Ozone	Maintenance	100	-	0.02	0.12	1.73
Nashua, NH	CO	Maintenance	100	-	0.01	0.05	0.69
Nashville, TN	Ozone	Former Subpart 1	50	-	0.24	1.65	23.44
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.19	2.67
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.15	2.17
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.10	0.68	9.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	0.07
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.37	5.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-7.36	-7.00	76.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-9.54	-5.58	163.40
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-9.56	-5.70	161.60
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.57

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-28.87	-47.05	-58.97
Ogden, UT	CO	Maintenance	100	-	0.01	0.06	0.87
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.06	0.87
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.02	0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.12	1.64
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.12	1.77
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.12	1.78
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.29
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.08	1.18
Perth Amboy, NJ	CO	Maintenance	100	-	-3.10	-5.10	-7.17
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	0.31	4.35
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-44.48	-71.16	-66.37
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-44.31	-69.41	-39.16
Phoenix, AZ	CO	Maintenance	100	-	0.88	6.03	86.15
Phoenix, AZ	PM ₁₀	Serious	70	-	0.90	6.19	88.34
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.90	6.20	88.55
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.03	0.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.24	1.71	24.54
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.22	1.56	22.41
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.26
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Portland, ME	Ozone	Maintenance	100	-	0.08	0.52	7.42

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	0.78	14.55
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.04	0.54
Poughkeepsie, NY	Ozone	Moderate	50	-	0.22	1.48	21.10
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Providence (entire State), RI	Ozone	Moderate	50	-	0.14	0.95	13.55
Provo, UT	CO	Maintenance	100	-	0.03	0.18	2.52
Raleigh-Durham, NC	CO	Maintenance	100	-	0.20	1.37	19.53
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.28	1.86	26.48
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.04	0.30	4.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.30	4.29
Reno, NV	CO	Maintenance	100	-	0.03	0.23	3.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.13	1.06	15.91
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.06	0.81
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.12	0.78	11.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.23	3.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.08	1.12
Rochester, NY	Ozone	Former Subpart 1	50	-	0.18	1.22	17.33
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.16	2.27
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.11	1.53
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.26	1.75	24.87
Sacramento Metro, CA	Ozone	Severe	25	-	0.48	3.25	46.14
Sacramento, CA	CO	Maintenance	100	-	0.29	1.97	27.99
Salem, OR	CO	Maintenance	100	-	0.02	0.12	1.65
Salt Lake City, UT	CO	Maintenance	100	-	-7.24	-11.91	-16.84

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.12	-11.11	-5.54
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.15	1.00	14.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.28	1.86	26.46
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.06	0.44	6.23
San Diego, CA	CO	Maintenance	100	-	0.69	4.68	66.56
San Diego, CA	Ozone	Former Subpart 1	50	-	0.69	4.69	66.70
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-59.08	-93.43	-68.27
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-58.96	-92.61	-56.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.23	4.33	72.94
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.23	4.34	73.10
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.23	4.33	72.94
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.04	0.52
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.09	0.61	8.66
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.45	3.03	43.03
Sheboygan, WI	Ozone	Moderate	50	-	0.02	0.12	1.64
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.27
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.02	0.24
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.06	0.41	5.86
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.08	1.52
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.04	0.30	4.24
Spokane, WA	CO	Maintenance	100	-	0.04	0.29	4.19
Springfield (western MA), MA	Ozone	Moderate	50	-	0.12	0.81	11.56
Springfield, MA	CO	Maintenance	100	-	0.02	0.14	2.03
St. Louis, MO	CO	Maintenance	100	-	0.10	0.67	9.58
St. Louis, MO-IL	Ozone	Moderate	50	-	-116.45	-192.24	-282.71
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-116.45	-192.25	-282.95

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.17	2.47
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.32
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.03	0.47
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.19	-0.26	0.50
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.19	-0.26	0.50
Stockton, CA	CO	Maintenance	100	-	0.08	0.55	7.89
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.07	0.44	6.28
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.10	1.43
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.05	0.65
Toledo, OH	Ozone	Maintenance	100	-	-27.10	-44.82	-67.46
Toms River, NJ	CO	Maintenance	100	-	0.02	0.11	1.58
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.10	1.41
Trenton, NJ	CO	Maintenance	100	-	0.01	0.08	1.20
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Tucson, AZ	CO	Maintenance	100	-	0.15	1.04	14.74
Utah County, UT	PM ₁₀	Moderate	100	-	0.07	0.51	7.20
Vancouver, WA	CO	Maintenance	100	-	0.05	0.35	4.91
Ventura County, CA	Ozone	Serious	50	-	0.11	0.90	13.54
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.10	1.43
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.05	0.73
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.03	0.49
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.03	0.19	2.71
Washington, DC-MD-VA	CO	Maintenance	100	-	0.23	1.55	21.97

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.82	5.54	78.73
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.80	5.41	76.90
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.23	3.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.77
Wayne County, MI	PM ₁₀	Maintenance	100	-	-12.94	-21.48	-33.71
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.11	1.60
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.11	1.60
Winston-Salem, NC	CO	Maintenance	100	-	0.06	0.39	5.52
Worcester, MA	CO	Maintenance	100	-	0.03	0.23	3.28
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.09	1.27
Yakima, WA	CO	Maintenance	100	-	0.01	0.04	0.63
York, PA	Ozone	Maintenance	100	-	0.06	0.44	6.24
York, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.34	4.83
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.07	0.51	7.19
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	0.20	2.87

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.42
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	0.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	0.20
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.18	0.24	2.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.18	0.24	2.17
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.02	-0.03	0.06
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.08	0.11	0.98
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.11	0.98
Baton Rouge, LA	Ozone	Moderate	50	-	-0.70	-0.99	-1.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.53	-3.53	-6.24
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.05
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	0.34

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.34
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.03	0.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.14	0.19	1.68
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	0.21
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	0.38
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.09
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.24
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.06	0.53
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.17	0.22	2.25
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.23	2.33
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.07	0.65

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.07	0.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.05	0.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Cleveland, OH	CO	Maintenance	100	-	0.03	0.04	0.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.10	0.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.79
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	0.20
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	0.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.21
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.06	0.54
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	0.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.26
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.19	0.25	2.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.03	0.28
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.11	0.96
Denver-Boulder, CO	CO	Maintenance	100	-	0.08	0.10	0.92
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.10	0.13	1.16
Detroit, MI	CO	Maintenance	100	-	0.04	0.06	0.54
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.13	0.17	1.53
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.12	0.17	1.50

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.16
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.13

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	0.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	0.26
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	0.55
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.06	0.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.27
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.30
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.03	0.28
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.26
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	0.36
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-7.01	-9.80	-16.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.00	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.07	0.65
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.52
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.06	0.54
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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**Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	0.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.30
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.10
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.16
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.04	0.05	0.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.05	0.48
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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**Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.38	0.50	4.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.38	0.50	4.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.38	0.50	4.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.38	0.50	4.85
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.38	0.50	4.85
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	0.22
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.04	0.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.36
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	0.32
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	0.29
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

**Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.18
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.06	0.58
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.04	-0.06	0.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.10	0.91
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.44
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	0.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.22	0.29	2.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.41	0.54	4.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.41	0.54	4.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.06	0.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.81	-1.14	-0.86
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.75	-1.06	-0.18
Phoenix, AZ	CO	Maintenance	100	-	0.12	0.16	1.44
Phoenix, AZ	PM ₁₀	Serious	70	-	0.12	0.17	1.49
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.12	0.17	1.50
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.07	0.67
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	0.61
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	0.18

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.34
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.05	0.44
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	0.32
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.05	0.42
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.06	0.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.04	0.40
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	0.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.44
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.05	0.47
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.09	0.84
Sacramento, CA	CO	Maintenance	100	-	0.04	0.06	0.52
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.05

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	0.32
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	0.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.07	0.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
San Diego, CA	CO	Maintenance	100	-	0.11	0.15	1.32
San Diego, CA	Ozone	Former Subpart 1	50	-	0.11	0.15	1.32
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.99	-1.40	-0.86
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.97	-1.37	-0.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.11	1.35
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.09	0.11	1.36
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.11	1.35
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.02	0.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.04	0.85
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.10
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.30
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.05
St. Louis, MO	CO	Maintenance	100	-	0.03	0.03	0.31
St. Louis, MO-IL	Ozone	Moderate	50	-	0.08	0.11	0.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.08	0.11	0.98

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	0.18
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	0.32
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.16
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.10
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	0.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.06	0.51

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Table B.1-85
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.15	0.19	1.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.14	0.19	1.71
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.13
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	0.22
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.09	0.18	1.55
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.08	0.71
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.18
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.04	0.08	0.72
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.12
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.20
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.17
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.45	0.93	8.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.45	0.93	8.13
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Bakersfield, CA	CO	Maintenance	100	-	-0.04	-0.05	0.36
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.20	0.42	3.63
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.20	0.42	3.63
Baton Rouge, LA	Ozone	Moderate	50	-	-1.52	-2.34	-3.09
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.47	-8.50	-13.36
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.22
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.18
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Birmingham, AL	Ozone	Maintenance	100	-	0.07	0.14	1.23

Appendix B

Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.07	0.14	1.23
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.05	0.39
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.05	0.39
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.06	0.12	1.03
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.34	0.71	6.19
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.09	0.79
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.08	0.16	1.40
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.04	0.36
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.36
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.04	0.34
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.34
Charlotte, NC	CO	Maintenance	100	-	0.05	0.10	0.89
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.11	0.23	2.00
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.66
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.07	0.60
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.42	0.90	8.44
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.43	0.94	8.73
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.13
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.30
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.13	0.27	2.39

Appendix B

Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.13	0.26	2.32
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.10	0.21	1.82
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.04	0.31
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.03	0.22
Cleveland, OH	CO	Maintenance	100	-	0.06	0.13	1.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.17	0.36	3.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.16	0.33	2.88
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.04	0.09	0.78
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.07
Colorado Springs, CO	CO	Maintenance	100	-	0.04	0.08	0.72
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	0.09	0.79
Columbus, OH	Ozone	Maintenance	100	-	0.11	0.23	2.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.10	0.22	1.89
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.06	0.13	1.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.11	0.93
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.46	0.97	8.46
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.12	1.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.10	0.90
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.20	0.42	3.62
Denver-Boulder, CO	CO	Maintenance	100	-	0.19	0.40	3.46
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.24	0.50	4.37
Detroit, MI	CO	Maintenance	100	-	0.11	0.22	1.93
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.31	0.64	5.61
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.30	0.63	5.51

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Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.25
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	0.07	0.59
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.04
Erie, PA	Ozone	Maintenance	100	-	0.02	0.03	0.28
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.03	0.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.03	0.27
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.04	0.31
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.39
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.36
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	0.07	0.63
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.05	0.44
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	0.06	0.50

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Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.04	0.08	0.72
Grand Rapids, MI	Ozone	Maintenance	100	-	0.05	0.11	0.98
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.11	0.23	1.99
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.15
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.15
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.11	0.23	1.97
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.97
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.06	0.12	1.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.06	0.12	1.04
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.96
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.07	0.15	1.29
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.36
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-15.15	-23.37	-32.25
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.32
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.00	0.16
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.03	0.27
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.26
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.13	0.28	2.43
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.11	0.22	1.93
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	0.10
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.19
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.15
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.26
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.12
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.07	0.61
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.11	0.23	2.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.17
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.03
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.06

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Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.08	0.17	1.44
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.06	0.13	1.12
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.37
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.08
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.06	0.55
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.55
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.07	0.58
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	0.12
Las Vegas, NV	CO	Serious	100	-	0.10	0.21	1.82
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.10	0.21	1.85
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.11
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.13
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	0.11
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06

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**Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.94	2.00	18.32
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.94	2.00	18.32
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.94	2.00	18.32
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.94	2.00	18.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.94	2.00	18.32
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.05	0.10	0.84
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	0.16	1.37
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.15	1.32
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.14
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.36
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Macon, GA	Ozone	Maintenance	100	-	0.01	0.03	0.25
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.25
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.03	0.30
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	0.09
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.39
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Medford, OR	CO	Maintenance	100	-	0.01	0.01	0.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.23
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	0.12	1.18
Memphis, TN	CO	Maintenance	100	-	0.05	0.11	1.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.07	0.64
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.12	0.25	2.16
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.07	-0.00	2.84
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.19	0.39	3.40
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.07
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Modesto, CA	CO	Maintenance	100	-	0.02	0.04	0.38
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.14
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.16
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.07
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.10	1.78
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.17
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.17
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.05	0.11	0.95
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.06	0.55
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.52	1.09	9.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.99	2.07	18.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.98	2.05	17.85
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.10	0.22	1.91
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.09
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.12
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.05	0.47
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.72	-2.52	0.30
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.58	-2.23	2.82
Phoenix, AZ	CO	Maintenance	100	-	0.31	0.66	5.71
Phoenix, AZ	PM ₁₀	Serious	70	-	0.32	0.68	5.89
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.32	0.68	5.91
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.13	0.28	2.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.25	2.22
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.08	0.68

Appendix B

Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.04	0.10	1.31
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Poughkeepsie, NY	Ozone	Moderate	50	-	0.09	0.19	1.66
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.07	0.14	1.19
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.20
Raleigh-Durham, NC	CO	Maintenance	100	-	0.09	0.18	1.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.12	0.25	2.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.05	0.40
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.40
Reno, NV	CO	Maintenance	100	-	0.02	0.03	0.30
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.08	0.17	1.48
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.04	0.09	0.78
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.04	0.32
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	0.10
Rochester, NY	Ozone	Former Subpart 1	50	-	0.09	0.19	1.62
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.03	0.22
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.10	0.21	1.81
Sacramento Metro, CA	Ozone	Severe	25	-	0.18	0.37	3.26
Sacramento, CA	CO	Maintenance	100	-	0.11	0.23	2.02
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.16
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	0.22

Appendix B

Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.05	0.12	1.21
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.07	0.14	1.25
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.12	0.26	2.25
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.06	0.52
San Diego, CA	CO	Maintenance	100	-	0.28	0.58	5.04
San Diego, CA	Ozone	Former Subpart 1	50	-	0.28	0.58	5.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.10	-3.04	1.41
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.04	-2.92	2.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.23	0.52	5.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.23	0.52	5.36
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.23	0.52	5.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	0.09	0.81
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.26	3.37
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.14
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.06	0.55
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.21
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	0.36
Spokane, WA	CO	Maintenance	100	-	0.02	0.04	0.36
Springfield (western MA), MA	Ozone	Moderate	50	-	0.06	0.12	1.08
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.17
St. Louis, MO	CO	Maintenance	100	-	0.06	0.13	1.11
St. Louis, MO-IL	Ozone	Moderate	50	-	0.20	0.41	3.58
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.20	0.41	3.56

Appendix B

Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	0.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Stockton, CA	CO	Maintenance	100	-	0.03	0.06	0.56
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.07	0.62
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	0.16
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.08	0.66
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.12
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.12
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	0.11
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.07	0.14	1.20
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	0.07	0.59
Vancouver, WA	CO	Maintenance	100	-	0.02	0.04	0.38
Ventura County, CA	Ozone	Serious	50	-	0.06	0.12	1.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.16
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.03	0.26
Washington, DC-MD-VA	CO	Maintenance	100	-	0.10	0.22	1.90

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Table B.1-86
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.36	0.75	6.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.35	0.73	6.41
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.03	0.30
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.18
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.06	0.50
Worcester, MA	CO	Maintenance	100	-	0.01	0.03	0.26
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.05
York, PA	Ozone	Maintenance	100	-	0.03	0.06	0.54
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.42
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.09	0.77
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.22

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	0.93	6.56
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.42	2.98
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.11	0.79
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.43	3.03
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.07	0.48
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.15	1.03
Anchorage, AK	CO	Maintenance	100	-	0.04	0.11	0.77
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Atlanta, GA	Ozone	Moderate	50	-	1.83	5.09	35.88
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.83	5.09	35.89
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.04	0.25
Bakersfield, CA	CO	Maintenance	100	-	-0.05	0.06	1.96
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.05
Baltimore, MD	Ozone	Moderate	50	-	0.80	2.23	15.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.80	2.23	15.70
Baton Rouge, LA	Ozone	Moderate	50	-	-3.55	-5.65	-6.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-13.01	-21.34	-32.05
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.12	0.84
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.13
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.11	0.77
Billings, MT	CO	Maintenance	100	-	0.02	0.05	0.37
Birmingham, AL	Ozone	Maintenance	100	-	0.25	0.71	4.99

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.26	0.71	5.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.09	0.25	1.73
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.09	0.25	1.73
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Boston, MA	CO	Maintenance	100	-	0.22	0.61	4.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.33	3.71	26.15
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.49	3.42
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.81	5.73
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.11
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.20	1.42
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.20	1.42
Case County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.22
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.18	1.30
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.18	1.30
Charlotte, NC	CO	Maintenance	100	-	0.20	0.56	3.97
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.45	1.24	8.77
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.38	2.71
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.13	0.35	2.49
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.75	5.03	36.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.82	5.20	37.78
Chico, CA	CO	Maintenance	100	-	0.03	0.09	0.66
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.21	1.46
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.51	1.42	10.07

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.49	1.38	9.76
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Clark County, NV	PM ₁₀	Serious	70	-	0.43	1.21	8.51
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.20	1.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.13	0.89
Cleveland, OH	CO	Maintenance	100	-	0.22	0.61	4.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.65	1.80	12.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.59	1.65	11.66
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.19	0.54	3.78
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.04	0.27
Colorado Springs, CO	CO	Maintenance	100	-	0.17	0.46	3.24
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.17	0.47	3.32
Columbus, OH	Ozone	Maintenance	100	-	0.46	1.29	9.07
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.43	1.20	8.43
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.61	4.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.51	3.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.95	5.44	38.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.21	0.57	4.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.51	3.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.82	2.30	16.19
Denver-Boulder, CO	CO	Maintenance	100	-	0.79	2.20	15.48
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.00	2.77	19.53
Detroit, MI	CO	Maintenance	100	-	0.37	1.04	7.34
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.19	3.33	23.45
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.17	3.26	23.01

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.14
Duluth, MN	CO	Maintenance	100	-	0.02	0.06	0.39
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.14	1.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.13	0.36	2.55
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	0.16
Erie, PA	Ozone	Maintenance	100	-	0.06	0.16	1.11
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.17	1.20
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.16	1.15
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.18	1.27
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.23	1.62
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	0.21	1.50
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Flint, MI	Ozone	Maintenance	100	-	0.13	0.36	2.56
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.14	0.98
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.26	1.86
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.11	0.79
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.09	0.67
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.33	2.33

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	0.10
Fresno, CA	CO	Maintenance	100	-	0.16	0.46	3.21
Grand Rapids, MI	Ozone	Maintenance	100	-	0.22	0.61	4.30
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.18
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	0.41	1.15	8.12
Greeley, CO	CO	Maintenance	100	-	0.03	0.09	0.66
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.09	0.64
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.03	0.25
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.22
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.41	1.15	8.13
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.57	3.98
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.22	0.62	4.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	0.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.08	0.59
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.23	0.64	4.51
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.21	0.59	4.16
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.26	0.74	5.19
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.22
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.03	0.20
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.86
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.20	1.44
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-35.48	-56.79	-66.29
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.14	1.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.04	0.65
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.14
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.17	1.23
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.17	1.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.16
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.54	1.49	10.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.43	1.19	8.35
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.06	0.39
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.11	0.77
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.09	0.62
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.15	1.06
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.06	0.44
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.48
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.36	2.50
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.45	1.24	8.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.11	0.76
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.42
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	0.12
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.03	0.24

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.24
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.33	0.92	6.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.25	0.70	4.92
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.21	1.46
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.18
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.03	0.18
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.06	0.40
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	0.10
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.12	0.33	2.32
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.33	2.32
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.34	2.41
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.06	0.46
Las Vegas, NV	CO	Serious	100	-	0.43	1.21	8.51
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.44	1.22	8.61
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.06	0.42
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Lima, OH	Ozone	Maintenance	100	-	0.03	0.08	0.53
Longmont, CO	CO	Maintenance	100	-	0.03	0.07	0.51
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.23

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.98	11.28	81.22
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.98	11.28	81.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.98	11.28	81.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.98	11.28	81.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.98	11.28	81.22
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.19	0.53	3.74
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.79	5.59
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.76	5.36
Lowell, MA	CO	Maintenance	100	-	0.03	0.09	0.60
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.20	1.42
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.04	0.30
Macon, GA	Ozone	Maintenance	100	-	0.05	0.14	0.98
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.97
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.07	0.19	1.36
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Manchester, NH	CO	Maintenance	100	-	0.02	0.05	0.36
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.07	0.49
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.21	1.50
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.09	0.66
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.23	1.62
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.14
Medford, OR	CO	Maintenance	100	-	0.02	0.06	0.44
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.15	1.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.21	0.63	4.72
Memphis, TN	CO	Maintenance	100	-	0.20	0.58	4.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.16

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Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.02
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.36	2.56
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.47	1.29	9.13
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.15	1.12	13.49
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.75	2.08	14.67
Missoula, MT	CO	Maintenance	100	-	0.02	0.05	0.32
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.31
Modesto, CA	CO	Maintenance	100	-	0.09	0.25	1.78
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.09	0.60
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.03	0.18
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	0.14
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.07	0.53
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.08
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.09	0.66
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.29
Nashville, TN	Ozone	Former Subpart 1	50	-	0.25	0.91	8.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.13	0.88
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.11	0.76
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.20	0.55	3.85
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.31	2.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.98	5.52	38.90
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.83	10.65	75.10
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.79	10.56	74.44
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.21

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.40	1.12	7.89
Ogden, UT	CO	Maintenance	100	-	0.02	0.05	0.35
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.35
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.08	0.59
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.10	0.70
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.71
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.07	0.48
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.06	0.45
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.26	1.81
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-3.68	-4.79	9.64
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-3.14	-3.29	20.20
Phoenix, AZ	CO	Maintenance	100	-	1.47	4.09	28.82
Phoenix, AZ	PM ₁₀	Serious	70	-	1.51	4.20	29.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.51	4.21	29.69
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	0.13
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.50	1.39	9.77
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.45	1.27	8.92
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.10
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.15	0.40	2.85

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.21	0.68	5.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.21
Poughkeepsie, NY	Ozone	Moderate	50	-	0.39	1.07	7.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Providence (entire State), RI	Ozone	Moderate	50	-	0.26	0.72	5.11
Provo, UT	CO	Maintenance	100	-	0.05	0.13	0.90
Raleigh-Durham, NC	CO	Maintenance	100	-	0.36	1.01	7.09
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.49	1.37	9.64
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.08	0.24	1.67
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.24	1.67
Reno, NV	CO	Maintenance	100	-	0.06	0.18	1.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.31	0.88	6.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.28
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.19	0.54	3.78
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.18	1.28
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.06	0.42
Rochester, NY	Ozone	Former Subpart 1	50	-	0.34	0.95	6.72
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.13	0.90
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.60
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.44	1.23	8.64
Sacramento Metro, CA	Ozone	Severe	25	-	0.81	2.25	15.84
Sacramento, CA	CO	Maintenance	100	-	0.49	1.38	9.71
Salem, OR	CO	Maintenance	100	-	0.03	0.09	0.65
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.10	1.03

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.24	0.71	5.28
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.27	0.76	5.36
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.50	1.39	9.82
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.12	0.33	2.32
San Diego, CA	CO	Maintenance	100	-	1.20	3.33	23.48
San Diego, CA	Ozone	Former Subpart 1	50	-	1.20	3.34	23.52
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-4.25	-4.99	19.14
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-4.02	-4.36	23.57
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.16	3.41	25.58
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.16	3.42	25.66
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.16	3.41	25.58
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.03	0.19
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.48	3.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.57	1.86	15.28
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.09	0.62
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.09
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.12	0.32	2.27
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.11	0.75
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.22	1.57
Spokane, WA	CO	Maintenance	100	-	0.08	0.22	1.55
Springfield (western MA), MA	Ozone	Moderate	50	-	0.23	0.64	4.48
Springfield, MA	CO	Maintenance	100	-	0.04	0.11	0.75
St. Louis, MO	CO	Maintenance	100	-	0.21	0.59	4.12
St. Louis, MO-IL	Ozone	Moderate	50	-	0.73	2.04	14.38
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.73	2.03	14.28

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	0.13	0.91
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.11
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.03	0.20
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.06	0.44
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.44
Stockton, CA	CO	Maintenance	100	-	0.14	0.38	2.69
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.35	2.50
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.09	0.60
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.27
Toledo, OH	Ozone	Maintenance	100	-	0.14	0.38	2.66
Toms River, NJ	CO	Maintenance	100	-	0.03	0.08	0.55
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.07	0.53
Trenton, NJ	CO	Maintenance	100	-	0.02	0.06	0.45
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.27	0.76	5.37
Utah County, UT	PM ₁₀	Moderate	100	-	0.13	0.37	2.62
Vancouver, WA	CO	Maintenance	100	-	0.09	0.25	1.75
Ventura County, CA	Ozone	Serious	50	-	0.24	0.68	4.78
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.09	0.60
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.04	0.28
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.03	0.18
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.15	1.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.41	1.15	8.08

Appendix B

Table B.1-87
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.47	4.10	28.90
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.44	4.01	28.26
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.18	1.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.05	0.33
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.06	0.43
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.10	0.68
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.68
Winston-Salem, NC	CO	Maintenance	100	-	0.11	0.30	2.10
Worcester, MA	CO	Maintenance	100	-	0.06	0.17	1.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.07	0.48
Yakima, WA	CO	Maintenance	100	-	0.01	0.03	0.22
York, PA	Ozone	Maintenance	100	-	0.12	0.33	2.33
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.26	1.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.42	2.98
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.15	1.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.61	1.59	9.88
Albuquerque, NM	CO	Maintenance	100	-	0.27	0.72	4.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.08	0.20	1.25
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.28	0.73	4.54
Altoona, PA	Ozone	Maintenance	100	-	0.04	0.11	0.67
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.29	1.79
Anchorage, AK	CO	Maintenance	100	-	0.07	0.19	1.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Atlanta, GA	Ozone	Moderate	50	-	3.43	9.01	55.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.43	9.01	55.93
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.06	0.37
Bakersfield, CA	CO	Maintenance	100	-	0.02	0.25	3.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.07
Baltimore, MD	Ozone	Moderate	50	-	1.48	3.88	24.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.48	3.88	24.09
Baton Rouge, LA	Ozone	Moderate	50	-	-4.41	-7.00	-6.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-16.46	-27.16	-40.81
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.07	0.18	1.14
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.19	1.19
Billings, MT	CO	Maintenance	100	-	0.03	0.09	0.55
Birmingham, AL	Ozone	Maintenance	100	-	0.44	1.17	7.24

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.45	1.17	7.27
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.17	0.43	2.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.17	0.43	2.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.03	0.16
Boston, MA	CO	Maintenance	100	-	0.39	1.02	6.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.41	6.33	39.27
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.32	0.84	5.24
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.51	1.35	8.37
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.13
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.12	0.33	2.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.33	2.04
Case County, MI	Ozone	Maintenance	100	-	0.02	0.05	0.31
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.01	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.11	0.29	1.79
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.11	0.29	1.79
Charlotte, NC	CO	Maintenance	100	-	0.38	1.00	6.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.84	2.19	13.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.24	0.64	3.96
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.23	0.59	3.67
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.30	8.80	55.82
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.41	9.11	57.71
Chico, CA	CO	Maintenance	100	-	0.07	0.19	1.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.15	0.39	2.42
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.92	2.43	15.11

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.89	2.35	14.62
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Clark County, NV	PM ₁₀	Serious	70	-	0.85	2.23	13.83
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.13	0.34	2.14
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.08	0.21	1.30
Cleveland, OH	CO	Maintenance	100	-	0.36	0.95	5.88
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.13	2.97	18.46
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.04	2.72	16.88
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.39	1.02	6.33
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.06	0.37
Colorado Springs, CO	CO	Maintenance	100	-	0.32	0.83	5.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.31	0.81	5.01
Columbus, OH	Ozone	Maintenance	100	-	0.87	2.29	14.21
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.81	2.13	13.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.36	0.95	5.88
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.31	0.82	5.07
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.74	9.81	60.92
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.35	0.93	5.78
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.31	0.82	5.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.56	4.11	25.48
Denver-Boulder, CO	CO	Maintenance	100	-	1.50	3.92	24.35
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.89	4.96	30.76
Detroit, MI	CO	Maintenance	100	-	0.56	1.48	9.17
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	2.14	5.63	34.92
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	2.10	5.52	34.26

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.05	0.30
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.04	0.25
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.03	0.21
Duluth, MN	CO	Maintenance	100	-	0.03	0.09	0.55
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.09	0.23	1.43
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.24	0.63	3.88
El Paso, TX	CO	Maintenance	100	-	0.01	0.04	0.23
Erie, PA	Ozone	Maintenance	100	-	0.10	0.26	1.59
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.11	0.30	1.85
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.11	0.29	1.78
Evansville, IN	Ozone	Maintenance	100	-	0.11	0.30	1.87
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.14	0.38	2.36
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.02	0.15
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.14	0.36	2.24
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Flint, MI	Ozone	Maintenance	100	-	0.23	0.60	3.73
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.10	0.25	1.57
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.17	0.45	2.78
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.19	1.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.06	0.16	1.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.23	0.61	3.76

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.03	0.17
Fresno, CA	CO	Maintenance	100	-	0.31	0.81	5.03
Grand Rapids, MI	Ozone	Maintenance	100	-	0.41	1.07	6.65
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.04	0.26
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.05	0.30
Great Falls, MT	CO	Maintenance	100	-	0.01	0.02	0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	0.73	1.91	11.83
Greeley, CO	CO	Maintenance	100	-	0.06	0.17	1.03
Green Bay, WI	SO _x	Maintenance	100	-	0.06	0.15	0.95
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.06	0.37
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.05	0.32
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.74	1.93	12.00
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.36	0.94	5.82
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.39	1.02	6.34
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.03	0.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.05	0.14	0.88
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.43	1.12	6.93
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.39	1.03	6.39
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.46	1.20	7.45
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.06	0.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.01	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.05	0.30
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.20	1.22
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.13	0.34	2.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-41.70	-66.54	-71.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.25	1.92
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.08	0.90
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.20
Imperial County, CA	Ozone	Moderate	50	-	0.12	0.32	1.99
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.12	0.31	1.95
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.23
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.99	2.60	16.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.79	2.07	12.83
Jackson County, IN	Ozone	Maintenance	100	-	0.04	0.09	0.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.07	0.18	1.12
Jefferson County, NY	Ozone	Moderate	50	-	0.06	0.15	0.91
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.09	0.25	1.52
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.09	0.56
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.61
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.22	0.59	3.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.26
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.83	2.17	13.49
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.07	0.19	1.17
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.10	0.61
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.03	0.17
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.06	0.35

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.06	0.35
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.62	1.64	10.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.47	1.24	7.67
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.11
Lake County, IN	SO _x	Maintenance	100	-	0.13	0.33	2.05
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.05	0.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.05	0.12	0.73
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.22	0.57	3.51
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.57	3.51
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.22	0.58	3.59
LaPorte, IN	Ozone	Maintenance	100	-	0.04	0.10	0.64
Las Vegas, NV	CO	Serious	100	-	0.85	2.23	13.83
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.86	2.25	13.98
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.10	0.60
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Lima, OH	Ozone	Maintenance	100	-	0.05	0.12	0.76
Longmont, CO	CO	Maintenance	100	-	0.05	0.13	0.83
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.06	0.35

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	7.58	20.11	126.65
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	7.58	20.11	126.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	7.58	20.11	126.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	7.58	20.11	126.65
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	7.58	20.11	126.64
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.36	0.95	5.87
Louisville, KY-IN	Ozone	Maintenance	100	-	0.50	1.31	8.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.48	1.25	7.75
Lowell, MA	CO	Maintenance	100	-	0.06	0.15	0.94
Lucas County, OH	SO _x	Maintenance	100	-	0.12	0.32	1.99
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.07	0.42
Macon, GA	Ozone	Maintenance	100	-	0.08	0.22	1.36
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.22	1.35
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.13	0.35	2.19
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
Manchester, NH	CO	Maintenance	100	-	0.03	0.08	0.49
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.11	0.71
Marion County, IN	SO _x	Maintenance	100	-	0.13	0.34	2.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.18	1.11
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.15	0.39	2.42
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.20
Medford, OR	CO	Maintenance	100	-	0.04	0.12	0.72
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.11	0.28	1.73
Memphis, TN-AR	Ozone	Maintenance	100	-	0.38	1.03	6.71
Memphis, TN	CO	Maintenance	100	-	0.35	0.95	6.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.04	0.26

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.01	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.23	0.59	3.68
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.84	2.21	13.73
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.63	2.42	21.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.38	3.62	22.44
Missoula, MT	CO	Maintenance	100	-	0.03	0.08	0.49
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.08	0.47
Modesto, CA	CO	Maintenance	100	-	0.18	0.47	2.91
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.06	0.16	1.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.02	0.05	0.31
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.03	0.19
Muncie, IN	Ozone	Maintenance	100	-	0.04	0.11	0.71
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.02	0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.16	0.99
Nashua, NH	CO	Maintenance	100	-	0.02	0.06	0.40
Nashville, TN	Ozone	Former Subpart 1	50	-	0.59	1.77	12.81
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.25	1.53
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.08	0.20	1.24
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.34	0.90	5.56
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	0.04
New York County, NY	PM ₁₀	Moderate	100	-	0.18	0.48	2.99
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	3.50	9.18	57.00
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	6.86	17.99	111.64
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	6.79	17.82	110.61
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.05	0.33

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.72	1.88	11.66
Ogden, UT	CO	Maintenance	100	-	0.03	0.08	0.50
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.08	0.50
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.06	0.15	0.94
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.06	0.16	1.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.16	1.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.03	0.16
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.04	0.11	0.68
Perth Amboy, NJ	CO	Maintenance	100	-	0.05	0.12	0.76
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.15	0.40	2.49
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-4.11	-4.90	16.43
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-3.14	-2.36	32.19
Phoenix, AZ	CO	Maintenance	100	-	3.03	7.95	49.36
Phoenix, AZ	PM ₁₀	Serious	70	-	3.11	8.15	50.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.12	8.17	50.74
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.04	0.24
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.86	2.27	14.07
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.79	2.07	12.85
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.15
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.26	0.69	4.25

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.42	1.21	8.32
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.05	0.31
Poughkeepsie, NY	Ozone	Moderate	50	-	0.74	1.95	12.08
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.48	1.25	7.76
Provo, UT	CO	Maintenance	100	-	0.09	0.23	1.44
Raleigh-Durham, NC	CO	Maintenance	100	-	0.69	1.80	11.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.93	2.44	15.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.15	0.40	2.46
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.40	2.46
Reno, NV	CO	Maintenance	100	-	0.11	0.30	1.86
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.56	1.48	9.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.07	0.46
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.39	1.02	6.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.11	0.30	1.85
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.10	0.64
Rochester, NY	Ozone	Former Subpart 1	50	-	0.61	1.60	9.92
Rocky Mount, NC	Ozone	Maintenance	100	-	0.08	0.21	1.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.87
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.87	2.29	14.24
Sacramento Metro, CA	Ozone	Severe	25	-	1.62	4.26	26.42
Sacramento, CA	CO	Maintenance	100	-	0.98	2.58	16.03
Salem, OR	CO	Maintenance	100	-	0.06	0.15	0.94
Salt Lake City, UT	CO	Maintenance	100	-	0.06	0.21	1.60

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Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.46	1.25	8.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.50	1.32	8.18
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.93	2.44	15.15
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.22	0.57	3.57
San Diego, CA	CO	Maintenance	100	-	2.34	6.14	38.11
San Diego, CA	Ozone	Former Subpart 1	50	-	2.35	6.15	38.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-4.27	-3.85	34.75
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3.86	-2.78	41.41
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.40	6.51	42.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.41	6.52	42.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.40	6.51	42.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.05	0.30
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.30	0.80	4.96
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.23	3.50	23.90
Sheboygan, WI	Ozone	Moderate	50	-	0.06	0.15	0.94
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.03	0.16
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.02	0.14
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.21	0.54	3.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.14	0.90
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.15	0.39	2.43
Spokane, WA	CO	Maintenance	100	-	0.15	0.39	2.40
Springfield (western MA), MA	Ozone	Moderate	50	-	0.41	1.07	6.62
Springfield, MA	CO	Maintenance	100	-	0.07	0.19	1.16
St. Louis, MO	CO	Maintenance	100	-	0.34	0.88	5.48
St. Louis, MO-IL	Ozone	Moderate	50	-	1.27	3.32	20.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.26	3.30	20.49

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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.09	0.23	1.42
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.04	0.27
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.04	0.10	0.60
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.60
Stockton, CA	CO	Maintenance	100	-	0.28	0.73	4.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.22	0.58	3.59
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.05	0.13	0.82
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.06	0.37
Toledo, OH	Ozone	Maintenance	100	-	0.23	0.61	3.81
Toms River, NJ	CO	Maintenance	100	-	0.06	0.15	0.90
Tooele County, UT	SO _x	Nonattainment	100	-	0.05	0.13	0.80
Trenton, NJ	CO	Maintenance	100	-	0.04	0.11	0.69
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	0.52	1.36	8.44
Utah County, UT	PM ₁₀	Moderate	100	-	0.25	0.66	4.12
Vancouver, WA	CO	Maintenance	100	-	0.17	0.45	2.81
Ventura County, CA	Ozone	Serious	50	-	0.48	1.26	7.80
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Vigo County, IN	SO _x	Maintenance	100	-	0.05	0.13	0.82
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.07	0.42
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.04	0.28
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.10	0.25	1.55
Washington, DC-MD-VA	CO	Maintenance	100	-	0.77	2.03	12.58

Appendix B

Table B.1-88
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis A2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.77	7.26	45.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.70	7.09	44.04
Washoe County, NV	PM ₁₀	Serious	70	-	0.11	0.30	1.86
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.07	0.44
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.06	0.15	0.93
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.06	0.15	0.92
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.06	0.15	0.92
Winston-Salem, NC	CO	Maintenance	100	-	0.19	0.51	3.16
Worcester, MA	CO	Maintenance	100	-	0.12	0.30	1.88
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.04	0.12	0.73
Yakima, WA	CO	Maintenance	100	-	0.02	0.06	0.36
York, PA	Ozone	Maintenance	100	-	0.22	0.58	3.57
York, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.45	2.76
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.25	0.66	4.12
Yuma, AZ	PM ₁₀	Moderate	100	-	0.10	0.26	1.64

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.07	0.12	-0.08
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.15	0.23	-0.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.15	0.24	-0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	45.43	73.15	-51.75
Albuquerque, NM	CO	Maintenance	100	-	21.05	33.90	-23.95
Allegan County, MI	Ozone	Former Subpart 1	50	-	5.07	8.16	-5.77
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	21.09	33.95	-24.11
Altoona, PA	Ozone	Maintenance	100	-	3.72	5.99	-4.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	5.47	8.81	-6.22
Anchorage, AK	CO	Maintenance	100	-	4.92	7.93	-5.60
Anthony, NM	PM ₁₀	Moderate	100	-	0.27	0.43	-0.31
Armstrong County, PA	SO _x	Nonattainment	100	-	0.18	0.28	-0.20
Aspen, CO	PM ₁₀	Maintenance	100	-	0.25	0.40	-0.28
Atlanta, GA	Ozone	Moderate	50	-	234.49	377.57	-267.03
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	234.63	377.80	-267.19
Atlantic City, NJ	CO	Maintenance	100	-	1.85	2.98	-2.11
Bakersfield, CA	CO	Maintenance	100	-	15.03	24.16	-18.13
Baltimore, MD	CO	Maintenance	100	-	0.36	0.58	-0.43
Baltimore, MD	Ozone	Moderate	50	-	105.27	169.49	-120.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	105.27	169.49	-120.31
Baton Rouge, LA	Ozone	Moderate	50	-	-11.32	-23.22	-96.40
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-17.17	-31.92	-74.26
Benton County, TN	SO _x	Maintenance	100	-	0.04	0.07	-0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	6.62	10.65	-7.54
Benzie County, MI	Ozone	Maintenance	100	-	0.78	1.26	-0.89
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	5.17	8.32	-5.88
Billings, MT	CO	Maintenance	100	-	-3.72	-6.85	-14.55
Birmingham, AL	Ozone	Maintenance	100	-	36.29	58.41	-42.08

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	36.41	58.59	-42.21
Boise-Northern Ada County, ID	CO	Maintenance	100	-	11.32	18.22	-13.14
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	11.32	18.22	-13.14
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.57	0.92	-0.65
Boston, MA	CO	Maintenance	100	-	30.59	49.25	-34.80
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	181.70	292.59	-206.70
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	22.91	36.90	-26.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.36	0.57	-0.40
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	41.46	66.76	-47.17
Burlington, NJ	CO	Maintenance	100	-	0.31	0.49	-0.35
Butte, MT	PM ₁₀	Moderate	100	-	0.77	1.24	-0.88
Canon City, CO	PM ₁₀	Maintenance	100	-	0.67	1.09	-0.77
Canton-Massillon, OH	Ozone	Maintenance	100	-	9.06	14.38	-15.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	9.06	14.38	-15.05
Case County, MI	Ozone	Maintenance	100	-	1.57	2.53	-1.79
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.02	0.04	-0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.24	0.38	-0.27
Charleston, WV	Ozone	Maintenance	100	-	10.13	16.31	-11.52
Charleston, WV	PM _{2.5}	Nonattainment	100	-	10.13	16.31	-11.52
Charlotte, NC	CO	Maintenance	100	-	25.72	41.42	-29.26
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	57.79	93.07	-65.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	19.63	31.61	-22.34
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	17.82	28.69	-20.27
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	201.94	318.69	-371.70
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	210.45	332.40	-381.39
Chico, CA	CO	Maintenance	100	-	3.63	5.85	-4.13
Chico, CA	Ozone	Former Subpart 1	50	-	8.49	13.68	-9.66
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	70.17	113.00	-79.83
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	68.17	109.76	-77.54

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.51	0.83	-0.59
Clark County, NV	PM ₁₀	Serious	70	-	51.51	82.95	-58.60
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	9.11	14.67	-10.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	6.48	10.43	-7.37
Cleveland, OH	CO	Maintenance	100	-	34.41	55.41	-39.14
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	92.70	149.27	-105.45
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	85.60	137.84	-97.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	21.56	34.72	-24.53
Colbert County, AL	SO _x	Maintenance	100	-	2.20	3.54	-2.50
Colorado Springs, CO	CO	Maintenance	100	-	20.23	32.54	-23.89
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.19	0.30	-0.22
Columbia, SC	Ozone	Former Subpart 1	50	-	23.18	37.33	-26.37
Columbus, OH	Ozone	Maintenance	100	-	58.72	94.56	-66.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	54.42	87.63	-61.91
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.12	0.19	-0.15
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	34.41	55.41	-39.14
Cuyahoga County, OH	SO _x	Maintenance	100	-	28.03	45.14	-31.89
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	241.71	389.19	-275.56
Dayton-Springfield, OH	Ozone	Maintenance	100	-	30.27	48.75	-34.44
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	26.79	43.13	-30.47
Denver Metro, CO	PM ₁₀	Maintenance	100	-	100.42	161.22	-125.04
Denver-Boulder, CO	CO	Maintenance	100	-	95.91	153.94	-119.90
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	121.77	195.60	-149.35
Detroit, MI	CO	Maintenance	100	-	56.74	91.18	-68.76
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	163.32	262.74	-191.26
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	160.26	257.81	-187.78
Door County, WI	Ozone	Former Subpart 1	50	-	1.29	2.08	-1.47
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.27	2.04	-1.44

Appendix B

Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.00	1.61	-1.14
Duluth, MN	CO	Maintenance	100	-	2.97	4.78	-3.37
Eagle River, AK	PM ₁₀	Moderate	100	-	0.30	0.48	-0.34
East Chicago, IN	CO	Maintenance	100	-	0.04	0.06	-0.04
East Chicago, IN	PM ₁₀	Maintenance	100	-	-16.86	-30.44	-53.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.04	0.06	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	15.21	24.24	-22.99
El Paso, TX	CO	Maintenance	100	-	1.12	1.80	-1.28
Erie, PA	Ozone	Maintenance	100	-	8.24	13.27	-9.37
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.05	0.09	-0.06
Eugene-Springfield, OR	CO	Maintenance	100	-	8.14	13.10	-9.26
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	7.77	12.51	-8.84
Evansville, IN	Ozone	Maintenance	100	-	9.08	14.62	-10.33
Evansville, IN	PM _{2.5}	Nonattainment	100	-	11.70	18.85	-13.31
Fairbanks, AK	CO	Maintenance	100	-	0.60	0.97	-0.68
Fayetteville, NC	Ozone	Former Subpart 1	50	-	10.52	16.94	-11.97
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.25	0.40	-0.28
Flint, MI	Ozone	Maintenance	100	-	18.70	30.11	-21.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.04	0.07	-0.05
Fort Collins, CO	CO	Maintenance	100	-	6.10	9.83	-6.94
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	13.00	20.94	-14.79
Franklin County, PA	Ozone	Maintenance	100	-	5.38	8.67	-6.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.03	0.04	-0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	4.65	7.48	-5.29
Fredericksburg, VA	Ozone	Maintenance	100	-	14.28	22.99	-16.24
Freehold, NJ	CO	Maintenance	100	-	0.59	0.96	-0.68
Fresno, CA	CO	Maintenance	100	-	20.44	32.91	-23.37
Grand Rapids, MI	Ozone	Maintenance	100	-	28.53	45.95	-32.46

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.49	2.40	-1.70
Grant County, NM	SO _x	Maintenance	100	-	0.10	0.16	-0.11
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.02	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.14	1.83	-1.30
Great Falls, MT	CO	Maintenance	100	-	0.72	1.16	-0.82
Greater Connecticut, CT	Ozone	Moderate	50	-	59.11	95.18	-67.40
Greeley, CO	CO	Maintenance	100	-	4.32	6.96	-4.92
Green Bay, WI	SO _x	Maintenance	100	-	4.35	7.01	-4.95
Greene County, IN	Ozone	Maintenance	100	-	1.73	2.79	-1.97
Greene County, PA	Ozone	Maintenance	100	-	1.64	2.64	-1.86
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	58.08	93.51	-66.26
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	28.78	46.33	-32.93
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	32.32	52.03	-36.97
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.81	1.30	-0.92
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	4.09	6.58	-4.65
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	30.11	48.49	-34.32
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	27.81	44.77	-31.70
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	38.39	61.81	-43.82
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.35	0.56	-0.39
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.35	2.17	-1.53
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.18	0.28	-0.20
Hazelwood, PA	SO _x	Maintenance	100	-	1.44	2.32	-1.65
Hickory, NC	PM _{2.5}	Nonattainment	100	-	6.46	10.41	-7.35
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	10.58	17.03	-12.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.09	0.14	-0.10
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	146.55	228.95	-320.60
Humphreys County, TN	SO _x	Maintenance	100	-	0.10	0.16	-0.11
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-12.96	-24.13	-56.55

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-17.94	-32.15	-50.88
Huron County, MI	Ozone	Maintenance	100	-	1.03	1.66	-1.17
Imperial County, CA	Ozone	Moderate	50	-	7.54	12.14	-8.57
Imperial Valley, CA	PM ₁₀	Serious	70	-	7.37	11.86	-8.38
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.21	1.94	-1.37
Indianapolis, IN	CO	Maintenance	100	-	0.04	0.06	-0.04
Indianapolis, IN	Ozone	Maintenance	100	-	70.69	113.83	-80.41
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	55.98	90.14	-63.68
Jackson County, IN	Ozone	Maintenance	100	-	2.85	4.58	-3.24
Jamestown, NY	Ozone	Former Subpart 1	50	-	5.58	8.98	-6.35
Jefferson County, NY	Ozone	Moderate	50	-	4.42	7.12	-5.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.29	0.46	-0.33
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	7.82	12.60	-8.90
Johnstown, PA	Ozone	Maintenance	100	-	3.78	6.09	-4.30
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	4.14	6.67	-4.71
Juneau, AK	PM ₁₀	Moderate	100	-	0.37	0.59	-0.42
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	18.12	29.18	-20.62
Kalispell, MT	PM ₁₀	Moderate	100	-	1.02	1.64	-1.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	58.50	94.17	-67.17
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	5.04	8.12	-5.74
Kent, WA	PM ₁₀	Maintenance	100	-	0.87	1.40	-0.99
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	2.95	4.76	-3.36
Kewaunee County, WI	Ozone	Maintenance	100	-	0.89	1.43	-1.01
King County, WA	PM ₁₀	Maintenance	100	-	0.36	0.58	-0.41
Klamath Falls, OR	CO	Maintenance	100	-	1.78	2.87	-2.03
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.78	2.87	-2.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	41.40	66.67	-47.10
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	32.21	51.87	-36.65
La Porte County, IN	SO _x	Maintenance	100	-	1.27	2.04	-1.44

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.54	0.87	-0.61
Lake County, IN	SO _x	Maintenance	100	-	10.97	17.66	-12.69
Lake County, OH	SO _x	Maintenance	100	-	1.29	2.07	-1.46
Lake County, OR	PM ₁₀	Maintenance	100	-	0.22	0.36	-0.25
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.97	1.55	-1.10
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	2.05	3.31	-2.34
Lake Tahoe, NV	CO	Maintenance	100	-	0.72	1.16	-0.82
Lamar, CO	PM ₁₀	Maintenance	100	-	0.32	0.51	-0.36
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.05	0.08	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	15.95	25.69	-18.23
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	15.95	25.69	-18.23
Lane County, OR	PM ₁₀	Moderate	100	-	0.05	0.09	-0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	17.02	27.41	-19.37
LaPorte, IN	Ozone	Maintenance	100	-	3.55	5.71	-4.04
Las Vegas, NV	CO	Serious	100	-	51.51	82.95	-58.60
Las Vegas, NV	Ozone	Former Subpart 1	50	-	52.32	84.25	-59.52
Lauderdale County, AL	SO _x	Maintenance	100	-	3.19	5.13	-3.63
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.06	0.10	-0.07
Libby, MT	PM ₁₀	Moderate	100	-	0.16	0.26	-0.18
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.21	0.34	-0.24
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.51	0.83	-0.59
Lima, OH	Ozone	Maintenance	100	-	-0.49	-1.39	-12.59
Longmont, CO	CO	Maintenance	100	-	3.15	5.07	-3.59
Lorain County, OH	SO _x	Maintenance	100	-	1.64	2.64	-1.86
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	496.81	794.85	-677.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	496.81	794.85	-677.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	496.81	794.85	-677.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	496.81	794.86	-677.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	496.78	794.81	-677.82

Appendix B

Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	24.11	38.82	-27.43
Louisville, KY-IN	Ozone	Maintenance	100	-	40.56	65.31	-46.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	39.35	63.37	-44.77
Lowell, MA	CO	Maintenance	100	-	4.00	6.45	-4.56
Lucas County, OH	SO _x	Maintenance	100	-	10.88	17.51	-12.37
Lyons Township, IL	PM ₁₀	Maintenance	100	-	2.26	3.64	-2.57
Macon, GA	Ozone	Maintenance	100	-	7.66	12.33	-8.71
Macon, GA	PM _{2.5}	Nonattainment	100	-	7.58	12.20	-8.62
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.11	0.17	-0.12
Madison, WI	SO _x	Maintenance	100	-	8.47	13.64	-9.64
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.31	0.50	-0.35
Manchester, NH	CO	Maintenance	100	-	2.81	4.53	-3.20
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	3.66	5.89	-4.16
Marion County, IN	SO _x	Maintenance	100	-	11.35	18.27	-12.91
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	3.80	6.11	-4.32
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	11.37	18.30	-12.93
Mason County, MI	Ozone	Maintenance	100	-	0.94	1.51	-1.06
Medford, OR	CO	Maintenance	100	-	2.68	4.32	-3.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	6.38	10.28	-7.26
Memphis, TN-AR	Ozone	Maintenance	100	-	34.12	54.66	-45.02
Memphis, TN	CO	Maintenance	100	-	31.17	49.90	-41.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.02	1.64	-1.16
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.19	0.31	-0.22
Milwaukee, WI	SO _x	Maintenance	100	-	19.15	30.84	-21.79
Milwaukee-Racine, WI	Ozone	Moderate	50	-	63.26	101.87	-71.97
Minneapolis-St Paul, MN	CO	Maintenance	100	-	48.30	70.52	-213.88
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	98.70	158.91	-112.87
Missoula, MT	CO	Maintenance	100	-	2.07	3.32	-2.65

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	2.01	3.22	-2.57
Modesto, CA	CO	Maintenance	100	-	10.49	16.89	-11.94
Mohave County, AZ	PM ₁₀	Maintenance	100	-	3.52	5.67	-4.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.05	0.08	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.12	0.19	-0.14
Morristown, NJ	CO	Maintenance	100	-	1.13	1.81	-1.28
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.06	1.70	-1.20
Muncie, IN	Ozone	Maintenance	100	-	4.27	6.88	-4.86
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.15	0.25	-0.18
Muscatine County, IA	SO _x	Maintenance	100	-	0.54	0.87	-0.61
Muskegon, MI	Ozone	Maintenance	100	-	4.60	7.41	-5.25
Nashua, NH	CO	Maintenance	100	-	2.24	3.60	-2.54
Nashville, TN	Ozone	Former Subpart 1	50	-	57.45	92.51	-65.56
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	4.63	7.45	-5.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	4.85	7.81	-5.52
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	28.34	45.64	-32.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.22	0.35	-0.25
New York County, NY	PM ₁₀	Moderate	100	-	16.66	26.83	-18.95
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	278.82	448.69	-323.35
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	527.25	848.60	-609.08
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	522.84	841.49	-604.05
Nogales, AZ	PM ₁₀	Moderate	100	-	1.44	2.32	-1.64
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-102.56	-186.73	-355.96
Ogden, UT	CO	Maintenance	100	-	2.53	4.08	-2.88
Ogden, UT	PM ₁₀	Moderate	100	-	2.53	4.08	-2.88
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.09	0.14	-0.10
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.77	1.24	-0.87
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	3.72	5.98	-4.23

Appendix B

Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.13	0.21	-0.15
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	5.24	8.44	-5.96
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	5.28	8.50	-6.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.68	1.10	-0.77
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.03	-0.02
Peoria, IL	SO _x	Maintenance	100	-	3.62	5.83	-4.14
Perth Amboy, NJ	CO	Maintenance	100	-	1.68	2.57	-4.92
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	14.30	23.03	-16.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	129.39	204.32	-235.75
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	203.57	323.76	-320.21
Phoenix, AZ	CO	Maintenance	100	-	156.12	251.39	-177.78
Phoenix, AZ	PM ₁₀	Serious	70	-	161.08	259.37	-183.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	161.66	260.30	-184.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.39	0.62	-0.44
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.05	0.08	-0.06
Pittsburgh, PA	CO	Maintenance	100	-	0.80	1.29	-0.92
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	72.28	116.38	-82.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	66.04	106.34	-75.28
Polk County, TN	SO _x	Maintenance	100	-	0.75	1.21	-0.86
Polson, MT	PM ₁₀	Moderate	100	-	0.10	0.16	-0.11
Portland, ME	Ozone	Maintenance	100	-	19.81	31.88	-23.04
Portland, OR	CO	Maintenance	100	-	41.33	66.52	-47.47
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.58	2.54	-1.80
Poughkeepsie, NY	Ozone	Moderate	50	-	47.19	75.99	-53.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.34	0.54	-0.38
Providence (entire State), RI	Ozone	Moderate	50	-	34.61	55.71	-40.01
Provo, UT	CO	Maintenance	100	-	5.62	9.05	-6.39
Raleigh-Durham, NC	CO	Maintenance	100	-	45.36	73.04	-51.72

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	61.94	99.74	-70.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.07	0.11	-0.08
Reading, PA	Ozone	Maintenance	100	-	11.93	19.20	-13.57
Reading, PA	PM _{2.5}	Nonattainment	100	-	11.93	19.20	-13.57
Reno, NV	CO	Maintenance	100	-	8.70	14.00	-9.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.03	0.05	-0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	43.68	70.33	-49.84
Rillito, AZ	PM ₁₀	Moderate	100	-	1.66	2.68	-1.89
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	21.56	34.72	-24.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	9.46	15.23	-10.76
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	2.83	4.56	-3.22
Rochester, NY	Ozone	Former Subpart 1	50	-	47.87	77.09	-54.46
Rocky Mount, NC	Ozone	Maintenance	100	-	6.71	10.81	-7.63
Rome, GA	PM _{2.5}	Nonattainment	100	-	4.31	6.94	-4.90
Ronan, MT	PM ₁₀	Moderate	100	-	0.04	0.06	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.09	0.15	-0.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	50.82	81.83	-57.81
Sacramento Metro, CA	Ozone	Severe	25	-	90.30	145.37	-103.53
Sacramento, CA	CO	Maintenance	100	-	56.45	90.89	-64.32
Salem, OR	CO	Maintenance	100	-	4.71	7.58	-5.36
Salt Lake City, UT	CO	Maintenance	100	-	6.88	10.99	-9.63
Salt Lake County, UT	PM ₁₀	Moderate	100	-	35.76	57.51	-42.49
Salt Lake County, UT	SO _x	Nonattainment	100	-	36.37	58.57	-41.38
San Antonio, TX	Ozone	Former Subpart 1	50	-	65.26	105.08	-74.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	14.93	24.05	-16.99
San Diego, CA	CO	Maintenance	100	-	142.41	229.32	-162.00
San Diego, CA	Ozone	Former Subpart 1	50	-	142.67	229.74	-162.30
San Francisco Bay Area, CA	Ozone	Marginal	50	-	214.54	344.32	-269.07

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	244.63	392.78	-303.30
San Joaquin Valley, CA	Ozone	Extreme	10	-	154.78	249.18	-177.30
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	155.50	250.33	-178.11
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	154.78	249.18	-177.30
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.16	1.86	-1.32
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.04	-0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	23.94	38.54	-27.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	104.75	168.68	-119.17
Sheboygan, WI	Ozone	Moderate	50	-	4.20	6.76	-4.78
Sheridan, WY	PM ₁₀	Moderate	100	-	0.79	1.26	-0.89
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.61	0.99	-0.70
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	16.15	26.01	-18.40
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	6.51	10.48	-7.41
Spokane County, WA	PM ₁₀	Maintenance	100	-	10.42	16.78	-11.86
Spokane, WA	CO	Maintenance	100	-	10.32	16.61	-11.74
Springfield (western MA), MA	Ozone	Moderate	50	-	31.84	51.26	-36.48
Springfield, MA	CO	Maintenance	100	-	5.07	8.16	-5.87
St. Louis, MO	CO	Maintenance	100	-	33.94	54.65	-38.61
St. Louis, MO-IL	Ozone	Moderate	50	-	98.28	157.09	-137.56
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	97.58	155.96	-136.76
State College, PA	Ozone	Maintenance	100	-	5.98	9.63	-6.80
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.62	1.00	-0.70
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.57	2.52	-1.78
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	3.07	4.88	-4.84
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	3.07	4.88	-4.84
Stockton, CA	CO	Maintenance	100	-	15.82	25.47	-18.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00

Appendix B

Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Syracuse, NY	CO	Maintenance	100	-	18.54	29.86	-21.09
Telluride, CO	PM ₁₀	Maintenance	100	-	0.05	0.08	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	4.84	7.79	-5.50
Tioga County, PA	Ozone	Maintenance	100	-	2.05	3.31	-2.34
Toledo, OH	Ozone	Maintenance	100	-	7.00	9.52	-46.16
Toms River, NJ	CO	Maintenance	100	-	3.44	5.54	-3.91
Tooele County, UT	SO _x	Nonattainment	100	-	3.56	5.73	-4.05
Trenton, NJ	CO	Maintenance	100	-	3.15	5.07	-3.58
Trona, CA	PM ₁₀	Moderate	100	-	0.11	0.17	-0.12
Tucson, AZ	CO	Maintenance	100	-	34.63	55.77	-39.40
Utah County, UT	PM ₁₀	Moderate	100	-	16.89	27.20	-19.22
Vancouver, WA	CO	Maintenance	100	-	10.66	17.17	-12.13
Ventura County, CA	Ozone	Serious	50	-	28.52	45.90	-33.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.26	0.42	-0.30
Vigo County, IN	SO _x	Maintenance	100	-	4.84	7.79	-5.50
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	2.02	3.26	-2.30
Warren County, NJ	SO _x	Maintenance	100	-	1.27	2.05	-1.45
Warren County, PA	SO _x	Nonattainment	100	-	0.51	0.82	-0.62
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	7.62	12.28	-8.67
Washington, DC-MD-VA	CO	Maintenance	100	-	55.66	89.63	-63.32
Washington, DC-MD-VA	Ozone	Moderate	50	-	188.78	303.98	-214.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	184.93	297.79	-210.38
Washoe County, NV	PM ₁₀	Serious	70	-	8.70	14.00	-9.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.15	0.24	-0.17
Wayne County, IN	SO _x	Maintenance	100	-	2.65	4.27	-3.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	1.62	2.49	-4.64
Weirton, WV	PM ₁₀	Maintenance	100	-	0.36	0.58	-0.41
Weirton, WV	SO _x	Maintenance	100	-	0.47	0.76	-0.54

Appendix B

**Table B.1-89
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	Ozone	Maintenance	100	-	5.50	8.86	-6.26
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	5.50	8.86	-6.26
Winston-Salem, NC	CO	Maintenance	100	-	14.60	23.51	-16.61
Worcester, MA	CO	Maintenance	100	-	7.60	12.24	-8.65
Yakima County, WA	PM ₁₀	Maintenance	100	-	3.29	5.29	-3.74
Yakima, WA	CO	Maintenance	100	-	1.31	2.12	-1.49
York, PA	Ozone	Maintenance	100	-	15.68	25.25	-17.84
York, PA	PM _{2.5}	Nonattainment	100	-	12.21	19.66	-13.89
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	23.36	37.62	-26.57
Yuma, AZ	PM ₁₀	Moderate	100	-	6.41	10.32	-7.29

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.17	0.26	-1.35
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.36	0.55	-2.83
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.37	0.57	-2.94
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	110.89	169.89	-879.15
Albuquerque, NM	CO	Maintenance	100	-	51.14	78.35	-405.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	12.64	19.37	-100.19
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	51.39	78.73	-407.68
Altoona, PA	Ozone	Maintenance	100	-	8.84	13.54	-70.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	14.43	22.10	-114.36
Anchorage, AK	CO	Maintenance	100	-	12.33	18.89	-97.75
Anthony, NM	PM ₁₀	Moderate	100	-	0.65	1.00	-5.16
Armstrong County, PA	SO _x	Nonattainment	100	-	0.43	0.65	-3.37
Aspen, CO	PM ₁₀	Maintenance	100	-	0.61	0.94	-4.84
Atlanta, GA	Ozone	Moderate	50	-	581.25	890.47	-4,607.74
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	581.57	890.96	-4,610.28
Atlantic City, NJ	CO	Maintenance	100	-	4.46	6.83	-35.35
Bakersfield, CA	CO	Maintenance	100	-	37.66	57.66	-301.51
Baltimore, MD	CO	Maintenance	100	-	0.87	1.33	-6.93
Baltimore, MD	Ozone	Moderate	50	-	259.15	397.00	-2,055.62
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	259.15	396.99	-2,055.59
Baton Rouge, LA	Ozone	Moderate	50	-	-11.40	-21.70	-227.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-28.50	-47.30	-46.96
Benton County, TN	SO _x	Maintenance	100	-	0.10	0.15	-0.79
Benton Harbor, MI	Ozone	Maintenance	100	-	15.62	23.93	-123.85
Benzie County, MI	Ozone	Maintenance	100	-	1.99	3.04	-15.75
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.73	19.51	-100.92
Billings, MT	CO	Maintenance	100	-	-6.31	-10.39	-4.65
Birmingham, AL	Ozone	Maintenance	100	-	87.45	133.94	-695.40
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	87.73	134.37	-697.65

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	28.05	42.96	-223.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	28.05	42.96	-223.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.45	2.22	-11.48
Boston, MA	CO	Maintenance	100	-	74.00	113.37	-586.52
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	443.13	678.88	-3,512.20
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	56.44	86.47	-447.33
Boyd County (part), KY	SO _x	Maintenance	100	-	0.84	1.29	-6.68
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	100.06	153.29	-793.07
Burlington, NJ	CO	Maintenance	100	-	0.71	1.09	-5.65
Butte, MT	PM ₁₀	Moderate	100	-	1.81	2.77	-14.33
Canon City, CO	PM ₁₀	Maintenance	100	-	1.69	2.59	-13.40
Canton-Massillon, OH	Ozone	Maintenance	100	-	22.33	34.03	-190.77
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	22.33	34.03	-190.77
Case County, MI	Ozone	Maintenance	100	-	3.78	5.80	-30.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.06	0.09	-0.47
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.55	0.85	-4.37
Charleston, WV	Ozone	Maintenance	100	-	23.99	36.75	-190.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	23.99	36.75	-190.14
Charlotte, NC	CO	Maintenance	100	-	63.93	97.95	-506.73
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	142.96	219.02	-1,133.12
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	47.37	72.57	-375.45
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	43.13	66.07	-341.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	517.63	787.51	-4,515.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	538.50	819.50	-4,681.23
Chico, CA	CO	Maintenance	100	-	9.44	14.46	-74.83
Chico, CA	Ozone	Former Subpart 1	50	-	21.76	33.33	-172.44
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	171.05	262.05	-1,355.74
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	166.06	254.40	-1,316.16
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.20	1.84	-9.55

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	130.45	199.85	-1,033.93
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	22.53	34.51	-178.56
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	15.63	23.95	-123.88
Cleveland, OH	CO	Maintenance	100	-	81.13	124.29	-643.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	223.25	342.02	-1,769.45
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	205.85	315.37	-1,631.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	55.57	85.14	-440.45
Colbert County, AL	SO _x	Maintenance	100	-	5.17	7.92	-40.99
Colorado Springs, CO	CO	Maintenance	100	-	50.74	77.70	-404.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.48	0.73	-3.77
Columbia, SC	Ozone	Former Subpart 1	50	-	56.47	86.51	-447.57
Columbus, OH	Ozone	Maintenance	100	-	145.93	223.57	-1,156.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	135.36	207.37	-1,072.82
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.28	0.44	-2.28
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.05	-0.25
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	81.13	124.29	-643.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	66.34	101.63	-525.78
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	605.06	926.93	-4,797.37
Dayton-Springfield, OH	Ozone	Maintenance	100	-	72.46	111.01	-574.34
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	64.05	98.12	-507.63
Denver Metro, CO	PM ₁₀	Maintenance	100	-	251.88	385.47	-2,027.82
Denver-Boulder, CO	CO	Maintenance	100	-	240.61	368.21	-1,938.50
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	305.14	467.06	-2,450.01
Detroit, MI	CO	Maintenance	100	-	135.03	206.70	-1,082.44
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	397.73	609.11	-3,168.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	390.27	597.68	-3,109.14
Door County, WI	Ozone	Former Subpart 1	50	-	3.20	4.90	-25.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.07	4.70	-24.33
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.43	3.72	-19.25

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	7.06	10.82	-55.95
Eagle River, AK	PM ₁₀	Moderate	100	-	0.74	1.14	-5.90
East Chicago, IN	CO	Maintenance	100	-	0.09	0.14	-0.73
East Chicago, IN	PM ₁₀	Maintenance	100	-	-30.70	-49.83	33.30
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.09	0.13	-0.69
El Paso County, TX	PM ₁₀	Moderate	100	-	38.34	58.51	-320.41
El Paso, TX	CO	Maintenance	100	-	2.72	4.16	-21.54
Erie, PA	Ozone	Maintenance	100	-	19.75	30.26	-156.55
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.14	0.21	-1.07
Eugene-Springfield, OR	CO	Maintenance	100	-	19.98	30.61	-158.35
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	19.09	29.25	-151.33
Evansville, IN	Ozone	Maintenance	100	-	21.97	33.66	-174.16
Evansville, IN	PM _{2.5}	Nonattainment	100	-	28.26	43.29	-223.97
Fairbanks, AK	CO	Maintenance	100	-	1.51	2.31	-11.94
Fayetteville, NC	Ozone	Former Subpart 1	50	-	25.59	39.21	-202.85
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.62	0.95	-4.94
Flint, MI	Ozone	Maintenance	100	-	45.04	69.00	-356.97
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.10	0.15	-0.78
Fort Collins, CO	CO	Maintenance	100	-	15.34	23.50	-121.56
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.06	0.10	-0.49
Fort Wayne, IN	Ozone	Maintenance	100	-	31.65	48.49	-250.87
Franklin County, PA	Ozone	Maintenance	100	-	13.20	20.23	-104.65
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.07	0.10	-0.52
Frederick County, VA	Ozone	Former Subpart 1	50	-	11.33	17.36	-89.80
Fredericksburg, VA	Ozone	Maintenance	100	-	36.03	55.20	-285.55
Freehold, NJ	CO	Maintenance	100	-	1.50	2.30	-11.90
Fresno, CA	CO	Maintenance	100	-	51.13	78.32	-405.56
Grand Rapids, MI	Ozone	Maintenance	100	-	70.45	107.94	-558.41
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	3.53	5.41	-28.02

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.23	0.36	-1.84
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.06	-0.31
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.85	4.37	-22.63
Great Falls, MT	CO	Maintenance	100	-	1.69	2.59	-13.42
Greater Connecticut, CT	Ozone	Moderate	50	-	142.47	218.26	-1,129.64
Greeley, CO	CO	Maintenance	100	-	10.70	16.39	-84.80
Green Bay, WI	SO _x	Maintenance	100	-	10.67	16.34	-84.55
Greene County, IN	Ozone	Maintenance	100	-	4.21	6.46	-33.40
Greene County, PA	Ozone	Maintenance	100	-	3.94	6.03	-31.19
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	140.65	215.46	-1,115.31
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	69.48	106.43	-551.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	77.66	118.98	-616.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.95	2.99	-15.48
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	9.98	15.29	-79.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	74.20	113.67	-588.29
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	68.49	104.93	-543.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	92.16	141.18	-730.89
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.87	1.33	-6.89
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.40	5.21	-26.94
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.43	0.65	-3.39
Hazelwood, PA	SO _x	Maintenance	100	-	3.48	5.33	-27.58
Hickory, NC	PM _{2.5}	Nonattainment	100	-	15.44	23.65	-122.34
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	25.43	38.95	-201.53
Hollis Township, IL	SO _x	Maintenance	100	-	0.21	0.32	-1.65
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	385.03	583.92	-3,499.47
Humphreys County, TN	SO _x	Maintenance	100	-	0.24	0.36	-1.88
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-21.61	-35.86	-36.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-33.65	-54.32	59.29

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	2.46	3.78	-19.53
Imperial County, CA	Ozone	Moderate	50	-	19.03	29.16	-150.84
Imperial Valley, CA	PM ₁₀	Serious	70	-	18.61	28.51	-147.50
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.91	4.45	-23.03
Indianapolis, IN	CO	Maintenance	100	-	0.09	0.13	-0.68
Indianapolis, IN	Ozone	Maintenance	100	-	173.91	266.43	-1,378.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	137.84	211.17	-1,092.51
Jackson County, IN	Ozone	Maintenance	100	-	6.87	10.52	-54.44
Jamestown, NY	Ozone	Former Subpart 1	50	-	13.45	20.61	-106.63
Jefferson County, NY	Ozone	Moderate	50	-	10.71	16.41	-84.91
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.67	1.03	-5.31
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	18.78	28.77	-148.83
Johnstown, PA	Ozone	Maintenance	100	-	8.75	13.41	-69.38
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	9.60	14.71	-76.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.94	1.44	-7.43
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	43.74	67.01	-346.69
Kalispell, MT	PM ₁₀	Moderate	100	-	2.55	3.91	-20.22
Kansas City, MO-KS	Ozone	Maintenance	100	-	144.19	220.87	-1,144.65
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	12.45	19.07	-98.67
Kent, WA	PM ₁₀	Maintenance	100	-	2.17	3.33	-17.23
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	7.17	10.99	-56.87
Kewaunee County, WI	Ozone	Maintenance	100	-	2.14	3.27	-16.93
King County, WA	PM ₁₀	Maintenance	100	-	0.89	1.36	-7.05
Klamath Falls, OR	CO	Maintenance	100	-	4.28	6.56	-33.95
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.28	6.56	-33.95
Knoxville, TN	Ozone	Former Subpart 1	50	-	103.17	158.06	-817.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	79.83	122.30	-632.75
La Porte County, IN	SO _x	Maintenance	100	-	3.01	4.61	-23.84
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.30	1.99	-10.31

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	26.22	40.16	-208.41
Lake County, OH	SO _x	Maintenance	100	-	3.09	4.74	-24.52
Lake County, OR	PM ₁₀	Maintenance	100	-	0.53	0.81	-4.17
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.55	3.91	-20.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	5.46	8.36	-43.25
Lake Tahoe, NV	CO	Maintenance	100	-	1.75	2.68	-13.89
Lamar, CO	PM ₁₀	Maintenance	100	-	0.77	1.17	-6.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.12	0.19	-0.98
Lancaster, PA	Ozone	Maintenance	100	-	39.03	59.79	-309.57
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	39.03	59.79	-309.57
Lane County, OR	PM ₁₀	Moderate	100	-	0.13	0.19	-0.99
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	41.35	63.35	-327.74
LaPorte, IN	Ozone	Maintenance	100	-	8.42	12.90	-66.73
Las Vegas, NV	CO	Serious	100	-	130.45	199.85	-1,033.93
Las Vegas, NV	Ozone	Former Subpart 1	50	-	132.37	202.80	-1,049.19
Lauderdale County, AL	SO _x	Maintenance	100	-	7.61	11.66	-60.35
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.15	0.23	-1.19
Libby, MT	PM ₁₀	Moderate	100	-	0.38	0.58	-3.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.51	0.78	-4.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.20	1.84	-9.55
Lima, OH	Ozone	Maintenance	100	-	0.60	0.41	-43.00
Longmont, CO	CO	Maintenance	100	-	7.92	12.14	-62.80
Lorain County, OH	SO _x	Maintenance	100	-	3.98	6.10	-31.55
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,249.35	1,909.66	-10,230.14
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1,249.35	1,909.66	-10,230.14
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,249.35	1,909.66	-10,230.14
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,249.37	1,909.69	-10,230.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,249.29	1,909.56	-10,229.62
Los Angeles-San Bernardino Counties (western	Ozone	Moderate	50	-	60.01	91.94	-475.65

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Mohave), CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	97.82	149.86	-775.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	94.63	144.97	-749.99
Lowell, MA	CO	Maintenance	100	-	9.84	15.08	-78.02
Lucas County, OH	SO _x	Maintenance	100	-	25.88	39.65	-205.13
Lyons Township, IL	PM ₁₀	Maintenance	100	-	5.38	8.25	-42.66
Macon, GA	Ozone	Maintenance	100	-	18.15	27.80	-143.84
Macon, GA	PM _{2.5}	Nonattainment	100	-	17.96	27.51	-142.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.25	0.38	-1.98
Madison, WI	SO _x	Maintenance	100	-	21.27	32.59	-168.59
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.83	1.27	-6.55
Manchester, NH	CO	Maintenance	100	-	6.70	10.26	-53.10
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	8.78	13.45	-69.59
Marion County, IN	SO _x	Maintenance	100	-	27.10	41.52	-214.81
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	9.78	14.99	-77.54
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	27.66	42.37	-219.19
Mason County, MI	Ozone	Maintenance	100	-	2.29	3.50	-18.12
Medford, OR	CO	Maintenance	100	-	6.77	10.38	-53.69
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	16.16	24.75	-128.05
Memphis, TN-AR	Ozone	Maintenance	100	-	82.31	125.86	-670.47
Memphis, TN	CO	Maintenance	100	-	75.37	115.23	-615.47
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.56	3.92	-20.26
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.45	0.70	-3.61
Milwaukee, WI	SO _x	Maintenance	100	-	45.78	70.14	-362.87
Milwaukee-Racine, WI	Ozone	Moderate	50	-	154.39	236.53	-1,223.72
Minneapolis-St Paul, MN	CO	Maintenance	100	-	143.39	213.53	-1,598.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	242.71	371.82	-1,925.44
Missoula, MT	CO	Maintenance	100	-	5.13	7.85	-41.51

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	4.97	7.60	-40.21
Modesto, CA	CO	Maintenance	100	-	26.83	41.11	-212.67
Mohave County, AZ	PM ₁₀	Maintenance	100	-	9.01	13.80	-71.40
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.12	0.19	-0.99
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.29	0.44	-2.29
Morristown, NJ	CO	Maintenance	100	-	2.83	4.34	-22.44
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.51	3.85	-19.93
Muncie, IN	Ozone	Maintenance	100	-	10.03	15.36	-79.47
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.38	0.59	-3.04
Muscatine County, IA	SO _x	Maintenance	100	-	1.31	2.01	-10.41
Muskegon, MI	Ozone	Maintenance	100	-	11.21	17.18	-88.92
Nashua, NH	CO	Maintenance	100	-	5.34	8.19	-42.35
Nashville, TN	Ozone	Former Subpart 1	50	-	141.92	217.42	-1,125.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	12.24	18.75	-97.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	12.06	18.48	-95.60
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	68.13	104.37	-539.97
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.52	0.80	-4.11
New York County, NY	PM ₁₀	Moderate	100	-	39.55	60.58	-313.43
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	674.12	1,032.53	-5,361.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,281.87	1,963.49	-10,187.02
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,270.96	1,946.78	-10,100.57
Nogales, AZ	PM ₁₀	Moderate	100	-	3.54	5.43	-28.07
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-180.89	-295.43	58.62
Ogden, UT	CO	Maintenance	100	-	6.09	9.33	-48.27
Ogden, UT	PM ₁₀	Moderate	100	-	6.09	9.33	-48.27
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.21	0.32	-1.64
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.83	2.80	-14.47
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	9.31	14.27	-73.81

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.34	0.51	-2.66
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.11
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	12.57	19.25	-99.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	12.65	19.38	-100.28
Payson, AZ	PM ₁₀	Maintenance	100	-	1.69	2.59	-13.42
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.06	-0.33
Peoria, IL	SO _x	Maintenance	100	-	8.64	13.24	-68.58
Perth Amboy, NJ	CO	Maintenance	100	-	4.77	7.20	-46.61
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	33.80	51.79	-267.92
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	325.14	494.69	-2,834.66
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	505.55	771.07	-4,264.79
Phoenix, AZ	CO	Maintenance	100	-	408.70	626.14	-3,239.89
Phoenix, AZ	PM ₁₀	Serious	70	-	421.15	645.19	-3,338.50
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	422.57	647.38	-3,349.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.93	1.42	-7.36
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.11	0.17	-0.90
Pittsburgh, PA	CO	Maintenance	100	-	2.01	3.08	-15.93
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	173.49	265.78	-1,375.54
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	158.49	242.80	-1,256.64
Polk County, TN	SO _x	Maintenance	100	-	1.82	2.79	-14.42
Polson, MT	PM ₁₀	Moderate	100	-	0.25	0.39	-2.01
Portland, ME	Ozone	Maintenance	100	-	48.31	74.00	-384.38
Portland, OR	CO	Maintenance	100	-	100.18	153.46	-795.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.80	5.82	-30.12
Poughkeepsie, NY	Ozone	Moderate	50	-	118.47	181.50	-938.98
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.80	1.22	-6.34
Providence (entire State), RI	Ozone	Moderate	50	-	84.92	130.08	-674.93
Provo, UT	CO	Maintenance	100	-	14.13	21.65	-111.99
Raleigh-Durham, NC	CO	Maintenance	100	-	113.11	173.28	-896.83

Appendix B

Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	154.25	236.31	-1,222.90
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.17	0.26	-1.33
Reading, PA	Ozone	Maintenance	100	-	28.87	44.23	-228.84
Reading, PA	PM _{2.5}	Nonattainment	100	-	28.87	44.23	-228.84
Reno, NV	CO	Maintenance	100	-	21.18	32.44	-167.84
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.08	0.13	-0.66
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	106.05	162.46	-840.99
Rillito, AZ	PM ₁₀	Moderate	100	-	4.23	6.48	-33.51
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	55.57	85.14	-440.45
Roanoke, VA	Ozone	Former Subpart 1	50	-	22.72	34.81	-180.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	6.96	10.67	-55.18
Rochester, NY	Ozone	Former Subpart 1	50	-	115.99	177.70	-919.32
Rocky Mount, NC	Ozone	Maintenance	100	-	16.09	24.66	-127.56
Rome, GA	PM _{2.5}	Nonattainment	100	-	10.41	15.94	-82.48
Ronan, MT	PM ₁₀	Moderate	100	-	0.10	0.15	-0.78
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.22	0.34	-1.74
Sacramento County, CA	PM ₁₀	Moderate	100	-	129.77	198.81	-1,028.56
Sacramento Metro, CA	Ozone	Severe	25	-	232.80	356.63	-1,847.55
Sacramento, CA	CO	Maintenance	100	-	144.74	221.75	-1,147.52
Salem, OR	CO	Maintenance	100	-	11.36	17.40	-90.04
Salt Lake City, UT	CO	Maintenance	100	-	17.20	26.29	-141.61
Salt Lake County, UT	PM ₁₀	Moderate	100	-	88.07	134.85	-703.26
Salt Lake County, UT	SO _x	Nonattainment	100	-	89.28	136.78	-707.61
San Antonio, TX	Ozone	Former Subpart 1	50	-	161.03	246.70	-1,276.87
San Bernardino County, CA	PM ₁₀	Moderate	100	-	37.32	57.17	-295.78
San Diego, CA	CO	Maintenance	100	-	360.47	552.25	-2,857.07
San Diego, CA	Ozone	Former Subpart 1	50	-	361.14	553.27	-2,862.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	538.61	824.19	-4,341.75

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	612.47	937.34	-4,927.17
San Joaquin Valley, CA	Ozone	Extreme	10	-	393.89	603.39	-3,125.46
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	395.54	605.92	-3,138.56
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	393.89	603.39	-3,125.46
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.92	4.47	-23.11
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.09	-0.48
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	58.00	88.85	-459.67
Seattle-Tacoma, WA	CO	Maintenance	100	-	259.14	397.01	-2,053.94
Sheboygan, WI	Ozone	Moderate	50	-	10.30	15.78	-81.62
Sheridan, WY	PM ₁₀	Moderate	100	-	1.89	2.90	-14.99
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	1.51	2.31	-11.98
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	39.15	59.97	-310.38
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	15.12	23.17	-119.88
Spokane County, WA	PM ₁₀	Maintenance	100	-	25.75	39.44	-204.05
Spokane, WA	CO	Maintenance	100	-	25.48	39.04	-201.96
Springfield (western MA), MA	Ozone	Moderate	50	-	77.18	118.24	-612.53
Springfield, MA	CO	Maintenance	100	-	12.40	18.99	-98.56
St. Louis, MO	CO	Maintenance	100	-	79.40	121.64	-629.32
St. Louis, MO-IL	Ozone	Moderate	50	-	239.06	365.24	-1,969.69
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	237.37	362.66	-1,956.32
State College, PA	Ozone	Maintenance	100	-	14.80	22.68	-117.34
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.60	2.45	-12.67
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	3.70	5.66	-29.30
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	7.40	11.28	-62.59
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	7.40	11.28	-62.59
Stockton, CA	CO	Maintenance	100	-	40.31	61.76	-319.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	44.48	68.15	-352.56

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.13	0.19	-1.00
Terre Haute, IN	Ozone	Maintenance	100	-	11.39	17.46	-90.31
Tioga County, PA	Ozone	Maintenance	100	-	4.88	7.48	-38.70
Toledo, OH	Ozone	Maintenance	100	-	21.88	32.04	-284.60
Toms River, NJ	CO	Maintenance	100	-	8.61	13.20	-68.27
Tooele County, UT	SO _x	Nonattainment	100	-	8.74	13.40	-69.31
Trenton, NJ	CO	Maintenance	100	-	7.66	11.74	-60.74
Trona, CA	PM ₁₀	Moderate	100	-	0.27	0.42	-2.16
Tucson, AZ	CO	Maintenance	100	-	86.17	132.02	-683.01
Utah County, UT	PM ₁₀	Moderate	100	-	42.04	64.41	-333.20
Vancouver, WA	CO	Maintenance	100	-	26.96	41.30	-213.68
Ventura County, CA	Ozone	Serious	50	-	72.51	111.06	-576.52
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.62	0.95	-4.94
Vigo County, IN	SO _x	Maintenance	100	-	11.39	17.46	-90.31
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	4.89	7.50	-38.78
Warren County, NJ	SO _x	Maintenance	100	-	3.11	4.76	-24.63
Warren County, PA	SO _x	Nonattainment	100	-	1.21	1.86	-9.72
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	18.42	28.22	-146.01
Washington, DC-MD-VA	CO	Maintenance	100	-	135.69	207.88	-1,075.49
Washington, DC-MD-VA	Ozone	Moderate	50	-	468.03	717.03	-3,709.59
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	458.28	702.09	-3,632.26
Washoe County, NV	PM ₁₀	Serious	70	-	21.18	32.44	-167.84
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.35	0.54	-2.81
Wayne County, IN	SO _x	Maintenance	100	-	6.21	9.52	-49.24
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.48	6.75	-43.63
Weirton, WV	PM ₁₀	Maintenance	100	-	0.84	1.28	-6.62
Weirton, WV	SO _x	Maintenance	100	-	1.10	1.68	-8.69
Wheeling, WV-OH	Ozone	Maintenance	100	-	12.93	19.81	-102.51

Appendix B

**Table B.1-90
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	12.93	19.81	-102.51
Winston-Salem, NC	CO	Maintenance	100	-	35.61	54.55	-282.22
Worcester, MA	CO	Maintenance	100	-	18.87	28.91	-149.57
Yakima County, WA	PM ₁₀	Maintenance	100	-	8.06	12.35	-63.90
Yakima, WA	CO	Maintenance	100	-	3.32	5.08	-26.28
York, PA	Ozone	Maintenance	100	-	38.57	59.09	-305.69
York, PA	PM _{2.5}	Nonattainment	100	-	29.99	45.95	-237.72
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	55.30	84.72	-438.31
Yuma, AZ	PM ₁₀	Moderate	100	-	16.09	24.66	-127.57

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.35	0.04	-8.97
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.82	0.08	-20.71
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.85	0.09	-21.51
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	251.64	25.69	-6,385.69
Albuquerque, NM	CO	Maintenance	100	-	114.48	11.67	-2,905.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	30.41	3.10	-771.73
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	116.05	11.91	-2,945.13
Altoona, PA	Ozone	Maintenance	100	-	18.48	1.88	-468.95
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	39.63	4.04	-1,005.53
Anchorage, AK	CO	Maintenance	100	-	29.72	3.03	-754.11
Anthony, NM	PM ₁₀	Moderate	100	-	1.43	0.15	-36.34
Armstrong County, PA	SO _x	Nonattainment	100	-	0.95	0.10	-24.21
Aspen, CO	PM ₁₀	Maintenance	100	-	1.45	0.15	-36.68
Atlanta, GA	Ozone	Moderate	50	-	1,375.81	140.40	-34,911.92
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,376.39	140.46	-34,926.84
Atlantic City, NJ	CO	Maintenance	100	-	9.70	0.99	-246.25
Bakersfield, CA	CO	Maintenance	100	-	91.17	9.97	-2,317.25
Baltimore, MD	CO	Maintenance	100	-	1.88	0.20	-47.76
Baltimore, MD	Ozone	Moderate	50	-	601.93	61.71	-15,276.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	601.92	61.71	-15,275.81
Baton Rouge, LA	Ozone	Moderate	50	-	53.23	77.16	-1,752.82
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.20	61.54	-340.06
Benton County, TN	SO _x	Maintenance	100	-	0.21	0.02	-5.40
Benton Harbor, MI	Ozone	Maintenance	100	-	32.03	3.27	-812.86
Benzie County, MI	Ozone	Maintenance	100	-	5.04	0.51	-127.98
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	29.68	3.03	-753.17
Billings, MT	CO	Maintenance	100	-	-0.80	12.24	-48.80
Birmingham, AL	Ozone	Maintenance	100	-	190.87	19.97	-4,846.23
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	191.53	20.04	-4,862.89

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	66.29	6.93	-1,682.94
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	66.29	6.93	-1,682.94
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	3.64	0.37	-92.37
Boston, MA	CO	Maintenance	100	-	164.02	16.72	-4,161.95
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1,002.88	102.21	-25,448.04
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	131.17	13.37	-3,328.52
Boyd County (part), KY	SO _x	Maintenance	100	-	1.77	0.18	-45.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	219.65	22.39	-5,573.66
Burlington, NJ	CO	Maintenance	100	-	1.32	0.13	-33.55
Butte, MT	PM ₁₀	Moderate	100	-	3.62	0.37	-91.73
Canon City, CO	PM ₁₀	Maintenance	100	-	4.17	0.43	-105.94
Canton-Massillon, OH	Ozone	Maintenance	100	-	50.87	8.30	-1,308.28
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	50.87	8.30	-1,308.28
Case County, MI	Ozone	Maintenance	100	-	8.26	0.84	-209.65
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.15	0.01	-3.69
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.08	0.11	-27.46
Charleston, WV	Ozone	Maintenance	100	-	49.69	5.06	-1,260.82
Charleston, WV	PM _{2.5}	Nonattainment	100	-	49.69	5.06	-1,260.82
Charlotte, NC	CO	Maintenance	100	-	152.43	15.54	-3,867.96
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	336.51	34.30	-8,539.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	103.96	10.60	-2,637.87
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	95.53	9.74	-2,424.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,300.47	225.73	-33,521.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,348.37	230.61	-34,737.26
Chico, CA	CO	Maintenance	100	-	25.46	2.60	-646.11
Chico, CA	Ozone	Former Subpart 1	50	-	55.95	5.70	-1,419.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	386.56	39.40	-9,808.84
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	374.63	38.18	-9,506.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	2.38	0.24	-60.35

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	326.38	33.26	-8,281.76
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	52.94	5.40	-1,343.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	34.26	3.49	-869.23
Cleveland, OH	CO	Maintenance	100	-	165.67	16.88	-4,203.85
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	487.09	49.64	-12,359.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	447.20	45.58	-11,347.70
Coachella Valley, CA	PM ₁₀	Serious	70	-	145.02	14.78	-3,679.90
Colbert County, AL	SO _x	Maintenance	100	-	10.50	1.07	-266.49
Colorado Springs, CO	CO	Maintenance	100	-	123.63	13.17	-3,140.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.17	0.12	-29.80
Columbia, SC	Ozone	Former Subpart 1	50	-	127.47	12.99	-3,234.48
Columbus, OH	Ozone	Maintenance	100	-	347.74	35.44	-8,823.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	323.29	32.95	-8,203.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.55	0.06	-14.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.07	0.01	-1.73
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	165.67	16.88	-4,203.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	137.75	14.04	-3,495.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,469.51	150.16	-37,290.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	155.18	15.82	-3,937.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	136.70	13.93	-3,468.85
Denver Metro, CO	PM ₁₀	Maintenance	100	-	612.41	69.50	-15,579.65
Denver-Boulder, CO	CO	Maintenance	100	-	585.19	66.73	-14,888.95
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	740.61	82.58	-18,832.73
Detroit, MI	CO	Maintenance	100	-	278.20	31.05	-7,074.44
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	895.11	94.82	-22,733.35
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	878.29	93.10	-22,306.66
Door County, WI	Ozone	Former Subpart 1	50	-	7.50	0.76	-190.43
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	6.71	0.68	-170.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	5.41	0.55	-137.24

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	14.89	1.52	-377.88
Eagle River, AK	PM ₁₀	Moderate	100	-	1.84	0.19	-46.77
East Chicago, IN	CO	Maintenance	100	-	0.19	0.02	-4.82
East Chicago, IN	PM ₁₀	Maintenance	100	-	-19.17	45.43	220.69
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.20	0.02	-4.97
El Paso County, TX	PM ₁₀	Moderate	100	-	93.13	13.22	-2,384.08
El Paso, TX	CO	Maintenance	100	-	6.05	0.62	-153.52
Erie, PA	Ozone	Maintenance	100	-	42.50	4.33	-1,078.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.33	0.03	-8.36
Eugene-Springfield, OR	CO	Maintenance	100	-	46.18	4.71	-1,171.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	44.26	4.51	-1,122.97
Evansville, IN	Ozone	Maintenance	100	-	48.64	4.96	-1,234.34
Evansville, IN	PM _{2.5}	Nonattainment	100	-	62.04	6.32	-1,574.34
Fairbanks, AK	CO	Maintenance	100	-	3.66	0.37	-92.87
Fayetteville, NC	Ozone	Former Subpart 1	50	-	57.50	5.86	-1,459.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.53	0.16	-38.79
Flint, MI	Ozone	Maintenance	100	-	98.29	10.02	-2,494.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.18	0.02	-4.67
Fort Collins, CO	CO	Maintenance	100	-	37.60	3.83	-954.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.12	0.01	-3.11
Fort Wayne, IN	Ozone	Maintenance	100	-	71.26	7.26	-1,808.22
Franklin County, PA	Ozone	Maintenance	100	-	30.39	3.10	-771.14
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.14	0.01	-3.58
Frederick County, VA	Ozone	Former Subpart 1	50	-	25.61	2.61	-649.89
Fredericksburg, VA	Ozone	Maintenance	100	-	89.34	9.10	-2,266.89
Freehold, NJ	CO	Maintenance	100	-	3.85	0.39	-97.59
Fresno, CA	CO	Maintenance	100	-	123.14	12.62	-3,125.14
Grand Rapids, MI	Ozone	Maintenance	100	-	165.03	16.82	-4,187.70
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	7.29	0.74	-184.93

Appendix B

**Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.47	0.05	-11.86
Grants Pass, OR	CO	Maintenance	100	-	0.09	0.01	-2.41
Grants Pass, OR	PM ₁₀	Maintenance	100	-	7.01	0.71	-177.76
Great Falls, MT	CO	Maintenance	100	-	3.37	0.34	-85.42
Greater Connecticut, CT	Ozone	Moderate	50	-	311.49	31.84	-7,904.58
Greeley, CO	CO	Maintenance	100	-	25.27	2.57	-641.10
Green Bay, WI	SO _x	Maintenance	100	-	24.36	2.48	-618.24
Greene County, IN	Ozone	Maintenance	100	-	9.44	0.96	-239.66
Greene County, PA	Ozone	Maintenance	100	-	8.51	0.87	-215.91
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	311.85	31.91	-7,913.86
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	152.64	15.68	-3,873.84
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	168.35	17.29	-4,272.51
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	4.31	0.44	-109.48
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	22.58	2.30	-572.92
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	172.82	17.65	-4,385.41
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	159.35	16.28	-4,043.72
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	198.95	20.37	-5,048.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	2.13	0.22	-54.14
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	8.42	0.86	-213.64
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.96	0.10	-24.42
Hazelwood, PA	SO _x	Maintenance	100	-	7.68	0.79	-194.93
Hickory, NC	PM _{2.5}	Nonattainment	100	-	32.85	3.35	-833.53
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	55.18	5.62	-1,400.22
Hollis Township, IL	SO _x	Maintenance	100	-	0.43	0.04	-10.98
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1,013.67	204.32	-26,288.04
Humphreys County, TN	SO _x	Maintenance	100	-	0.53	0.05	-13.52
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.95	46.70	-238.23
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-27.58	43.98	437.53

Appendix B

**Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	5.28	0.54	-134.02
Imperial County, CA	Ozone	Moderate	50	-	47.26	4.82	-1,199.26
Imperial Valley, CA	PM ₁₀	Serious	70	-	46.27	4.72	-1,174.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	6.27	0.64	-159.07
Indianapolis, IN	CO	Maintenance	100	-	0.17	0.02	-4.19
Indianapolis, IN	Ozone	Maintenance	100	-	403.34	41.11	-10,234.72
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	320.42	32.66	-8,130.58
Jackson County, IN	Ozone	Maintenance	100	-	15.06	1.54	-382.20
Jamestown, NY	Ozone	Former Subpart 1	50	-	29.48	3.00	-748.15
Jefferson County, NY	Ozone	Moderate	50	-	23.75	2.42	-602.59
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.32	0.13	-33.38
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	40.57	4.14	-1,029.55
Johnstown, PA	Ozone	Maintenance	100	-	16.82	1.71	-426.70
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	18.51	1.89	-469.62
Juneau, AK	PM ₁₀	Moderate	100	-	2.42	0.25	-61.30
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	96.03	9.79	-2,436.78
Kalispell, MT	PM ₁₀	Moderate	100	-	6.21	0.63	-157.63
Kansas City, MO-KS	Ozone	Maintenance	100	-	336.01	34.66	-8,528.57
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	29.13	2.97	-739.08
Kent, WA	PM ₁₀	Maintenance	100	-	5.34	0.54	-135.44
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	15.93	1.62	-404.28
Kewaunee County, WI	Ozone	Maintenance	100	-	4.63	0.47	-117.49
King County, WA	PM ₁₀	Maintenance	100	-	2.11	0.22	-53.58
Klamath Falls, OR	CO	Maintenance	100	-	9.28	0.95	-235.40
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	9.28	0.95	-235.40
Knoxville, TN	Ozone	Former Subpart 1	50	-	247.62	25.24	-6,283.45
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	188.85	19.25	-4,792.09
La Porte County, IN	SO _x	Maintenance	100	-	6.29	0.64	-159.65
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.89	0.29	-73.32

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	55.71	5.81	-1,414.46
Lake County, OH	SO _x	Maintenance	100	-	6.74	0.69	-171.01
Lake County, OR	PM ₁₀	Maintenance	100	-	1.12	0.11	-28.31
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	7.08	0.72	-179.69
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	15.52	1.58	-393.94
Lake Tahoe, NV	CO	Maintenance	100	-	3.91	0.40	-99.32
Lamar, CO	PM ₁₀	Maintenance	100	-	1.65	0.17	-41.92
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.25	0.03	-6.31
Lancaster, PA	Ozone	Maintenance	100	-	89.07	9.13	-2,260.38
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	89.07	9.13	-2,260.38
Lane County, OR	PM ₁₀	Moderate	100	-	0.25	0.03	-6.28
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	92.52	9.43	-2,347.65
LaPorte, IN	Ozone	Maintenance	100	-	17.53	1.79	-444.89
Las Vegas, NV	CO	Serious	100	-	326.38	33.26	-8,281.76
Las Vegas, NV	Ozone	Former Subpart 1	50	-	330.41	33.67	-8,383.99
Lauderdale County, AL	SO _x	Maintenance	100	-	16.18	1.65	-410.64
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.33	0.03	-8.31
Libby, MT	PM ₁₀	Moderate	100	-	0.78	0.08	-19.86
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.04	0.11	-26.48
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	2.38	0.24	-60.34
Lima, OH	Ozone	Maintenance	100	-	9.89	9.64	-299.33
Longmont, CO	CO	Maintenance	100	-	19.62	2.00	-497.78
Lorain County, OH	SO _x	Maintenance	100	-	8.93	0.91	-226.52
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3,044.46	384.25	-77,667.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3,044.46	384.25	-77,667.42
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3,044.46	384.25	-77,667.42
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3,044.49	384.25	-77,668.16
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3,044.31	384.23	-77,663.76
Los Angeles-San Bernardino Counties (western	Ozone	Moderate	50	-	143.34	14.61	-3,637.21

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Mohave), CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	214.27	21.84	-5,437.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	205.44	20.94	-5,213.12
Lowell, MA	CO	Maintenance	100	-	23.02	2.35	-584.21
Lucas County, OH	SO _x	Maintenance	100	-	54.41	5.55	-1,380.66
Lyons Township, IL	PM ₁₀	Maintenance	100	-	11.36	1.16	-288.35
Macon, GA	Ozone	Maintenance	100	-	37.70	3.84	-956.72
Macon, GA	PM _{2.5}	Nonattainment	100	-	37.26	3.80	-945.42
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.52	0.05	-13.14
Madison, WI	SO _x	Maintenance	100	-	52.18	5.32	-1,324.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.37	0.24	-60.14
Manchester, NH	CO	Maintenance	100	-	13.92	1.42	-353.12
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	18.93	1.93	-480.35
Marion County, IN	SO _x	Maintenance	100	-	57.60	5.87	-1,461.63
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	25.51	2.60	-647.20
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	62.17	6.34	-1,577.46
Mason County, MI	Ozone	Maintenance	100	-	5.20	0.53	-132.04
Medford, OR	CO	Maintenance	100	-	16.89	1.72	-428.66
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	40.52	4.13	-1,028.18
Memphis, TN-AR	Ozone	Maintenance	100	-	179.09	22.33	-4,567.19
Memphis, TN	CO	Maintenance	100	-	165.06	20.90	-4,211.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	6.27	0.64	-159.13
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.92	0.10	-23.46
Milwaukee, WI	SO _x	Maintenance	100	-	98.04	9.99	-2,487.64
Milwaukee-Racine, WI	Ozone	Moderate	50	-	350.10	35.68	-8,883.62
Minneapolis-St Paul, MN	CO	Maintenance	100	-	452.64	150.45	-12,070.51
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	562.04	57.67	-14,263.88
Missoula, MT	CO	Maintenance	100	-	12.05	1.42	-306.74

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	11.66	1.37	-296.95
Modesto, CA	CO	Maintenance	100	-	68.38	6.97	-1,735.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	23.19	2.36	-588.45
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.33	0.03	-8.41
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.62	0.06	-15.73
Morristown, NJ	CO	Maintenance	100	-	7.08	0.72	-179.67
Muhlenberg County, KY	SO _x	Maintenance	100	-	5.30	0.54	-134.44
Muncie, IN	Ozone	Maintenance	100	-	20.18	2.06	-512.13
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.94	0.10	-23.86
Muscatine County, IA	SO _x	Maintenance	100	-	2.99	0.30	-75.82
Muskegon, MI	Ozone	Maintenance	100	-	25.34	2.59	-643.08
Nashua, NH	CO	Maintenance	100	-	11.21	1.14	-284.37
Nashville, TN	Ozone	Former Subpart 1	50	-	332.79	34.05	-8,445.14
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	33.83	3.45	-858.48
New Haven County, CT	PM ₁₀	Maintenance	100	-	29.26	2.98	-742.48
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	147.69	15.05	-3,747.72
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.08	0.11	-27.35
New York County, NY	PM ₁₀	Moderate	100	-	82.48	8.41	-2,092.89
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,486.99	155.60	-37,754.96
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2,873.25	298.92	-72,942.42
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2,847.69	296.32	-72,293.81
Nogales, AZ	PM ₁₀	Moderate	100	-	8.22	0.84	-208.54
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-73.11	302.77	115.88
Ogden, UT	CO	Maintenance	100	-	13.25	1.35	-336.23
Ogden, UT	PM ₁₀	Moderate	100	-	13.25	1.35	-336.24
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.40	0.04	-10.12
Olmsted County, MN	PM ₁₀	Maintenance	100	-	3.77	0.38	-95.74
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	22.66	2.31	-574.90

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.88	0.09	-22.42
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.00	-0.95
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	27.03	2.75	-685.83
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	27.22	2.77	-690.66
Payson, AZ	PM ₁₀	Maintenance	100	-	4.03	0.41	-102.34
Penns Grove, NJ	CO	Maintenance	100	-	0.09	0.01	-2.30
Peoria, IL	SO _x	Maintenance	100	-	18.39	1.89	-466.74
Perth Amboy, NJ	CO	Maintenance	100	-	14.84	3.49	-387.76
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	69.61	7.09	-1,766.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	776.97	137.31	-20,041.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,182.09	178.65	-30,321.50
Phoenix, AZ	CO	Maintenance	100	-	1,105.13	112.75	-28,043.11
Phoenix, AZ	PM ₁₀	Serious	70	-	1,135.46	115.84	-28,812.74
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1,138.70	116.17	-28,895.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.95	0.20	-49.53
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.21	0.02	-5.23
Pittsburgh, PA	CO	Maintenance	100	-	5.11	0.52	-129.75
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	374.72	38.29	-9,509.12
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	342.17	34.98	-8,683.02
Polk County, TN	SO _x	Maintenance	100	-	3.98	0.41	-101.05
Polson, MT	PM ₁₀	Moderate	100	-	0.64	0.06	-16.16
Portland, ME	Ozone	Maintenance	100	-	109.03	11.44	-2,768.47
Portland, OR	CO	Maintenance	100	-	222.74	23.00	-5,653.78
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	8.24	0.84	-209.18
Poughkeepsie, NY	Ozone	Moderate	50	-	289.84	29.54	-7,354.58
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.66	0.17	-42.04
Providence (entire State), RI	Ozone	Moderate	50	-	195.32	20.32	-4,958.52
Provo, UT	CO	Maintenance	100	-	34.65	3.53	-879.21
Raleigh-Durham, NC	CO	Maintenance	100	-	271.89	27.78	-6,899.64

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**Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	369.56	37.74	-9,378.08
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.34	0.04	-8.63
Reading, PA	Ozone	Maintenance	100	-	63.98	6.52	-1,623.45
Reading, PA	PM _{2.5}	Nonattainment	100	-	63.98	6.52	-1,623.45
Reno, NV	CO	Maintenance	100	-	47.67	4.86	-1,209.67
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.23	0.02	-5.71
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	236.94	24.25	-6,012.78
Rillito, AZ	PM ₁₀	Moderate	100	-	10.73	1.09	-272.39
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	145.02	14.78	-3,679.90
Roanoke, VA	Ozone	Former Subpart 1	50	-	49.18	5.01	-1,247.82
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	16.11	1.64	-408.88
Rochester, NY	Ozone	Former Subpart 1	50	-	257.59	26.25	-6,536.24
Rocky Mount, NC	Ozone	Maintenance	100	-	34.67	3.53	-879.76
Rome, GA	PM _{2.5}	Nonattainment	100	-	22.88	2.33	-580.65
Ronan, MT	PM ₁₀	Moderate	100	-	0.24	0.02	-6.17
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.47	0.05	-11.85
Sacramento County, CA	PM ₁₀	Moderate	100	-	331.29	33.76	-8,406.47
Sacramento Metro, CA	Ozone	Severe	25	-	607.04	62.40	-15,406.46
Sacramento, CA	CO	Maintenance	100	-	372.32	38.01	-9,447.85
Salem, OR	CO	Maintenance	100	-	24.89	2.54	-631.50
Salt Lake City, UT	CO	Maintenance	100	-	41.31	5.39	-1,054.92
Salt Lake County, UT	PM ₁₀	Moderate	100	-	204.33	22.01	-5,191.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	205.76	20.97	-5,221.14
San Antonio, TX	Ozone	Former Subpart 1	50	-	376.53	38.49	-9,555.10
San Bernardino County, CA	PM ₁₀	Moderate	100	-	88.99	9.07	-2,258.11
San Diego, CA	CO	Maintenance	100	-	900.52	91.78	-22,850.53
San Diego, CA	Ozone	Former Subpart 1	50	-	902.24	91.95	-22,894.16
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,312.62	150.20	-33,399.55

Appendix B

**Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,482.33	167.49	-37,705.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	996.99	102.41	-25,302.99
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1,000.03	102.72	-25,380.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	996.99	102.41	-25,302.99
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	7.19	0.73	-182.39
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.13	0.01	-3.34
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	128.80	13.13	-3,268.34
Seattle-Tacoma, WA	CO	Maintenance	100	-	609.73	62.14	-15,471.93
Sheboygan, WI	Ozone	Moderate	50	-	23.69	2.41	-601.25
Sheridan, WY	PM ₁₀	Moderate	100	-	4.13	0.42	-104.79
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.08
Somerville, NJ	CO	Maintenance	100	-	3.49	0.36	-88.55
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	87.03	8.89	-2,208.52
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	28.77	2.93	-730.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	60.31	6.15	-1,530.27
Spokane, WA	CO	Maintenance	100	-	59.64	6.08	-1,513.34
Springfield (western MA), MA	Ozone	Moderate	50	-	171.64	17.67	-4,356.37
Springfield, MA	CO	Maintenance	100	-	28.57	2.98	-725.34
St. Louis, MO	CO	Maintenance	100	-	158.17	16.12	-4,013.65
St. Louis, MO-IL	Ozone	Moderate	50	-	530.95	71.02	-13,567.55
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	527.31	70.65	-13,475.11
State College, PA	Ozone	Maintenance	100	-	34.92	3.56	-886.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	4.21	0.43	-106.81
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	7.58	0.77	-192.40
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	15.92	2.51	-409.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	15.92	2.51	-409.00
Stockton, CA	CO	Maintenance	100	-	103.28	10.53	-2,620.63
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	95.90	9.77	-2,433.43

Appendix B

Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.37	0.04	-9.41
Terre Haute, IN	Ozone	Maintenance	100	-	23.19	2.36	-588.44
Tioga County, PA	Ozone	Maintenance	100	-	10.24	1.04	-259.72
Toledo, OH	Ozone	Maintenance	100	-	71.71	32.39	-1,960.28
Toms River, NJ	CO	Maintenance	100	-	21.20	2.16	-538.07
Tooele County, UT	SO _x	Nonattainment	100	-	20.20	2.06	-512.48
Trenton, NJ	CO	Maintenance	100	-	17.37	1.77	-440.66
Trona, CA	PM ₁₀	Moderate	100	-	0.69	0.07	-17.62
Tucson, AZ	CO	Maintenance	100	-	206.04	21.00	-5,228.27
Utah County, UT	PM ₁₀	Moderate	100	-	100.56	10.25	-2,551.63
Vancouver, WA	CO	Maintenance	100	-	66.94	6.82	-1,698.69
Ventura County, CA	Ozone	Serious	50	-	182.97	19.06	-4,645.18
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.29	0.13	-32.76
Vigo County, IN	SO _x	Maintenance	100	-	23.19	2.36	-588.44
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	10.80	1.10	-274.04
Warren County, NJ	SO _x	Maintenance	100	-	7.07	0.72	-179.47
Warren County, PA	SO _x	Nonattainment	100	-	2.52	0.28	-63.98
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	40.58	4.14	-1,029.68
Washington, DC-MD-VA	CO	Maintenance	100	-	309.73	31.57	-7,859.25
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,108.53	112.98	-28,128.84
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,083.99	110.48	-27,506.10
Washoe County, NV	PM ₁₀	Serious	70	-	47.67	4.86	-1,209.67
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.77	0.08	-19.47
Wayne County, IN	SO _x	Maintenance	100	-	12.49	1.27	-316.90
Wayne County, MI	PM ₁₀	Maintenance	100	-	14.09	3.29	-367.79
Weirton, WV	PM ₁₀	Maintenance	100	-	1.57	0.16	-39.87
Weirton, WV	SO _x	Maintenance	100	-	2.10	0.21	-53.21
Wheeling, WV-OH	Ozone	Maintenance	100	-	26.12	2.66	-662.80

Appendix B

**Table B.1-91
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	26.12	2.66	-662.80
Winston-Salem, NC	CO	Maintenance	100	-	80.63	8.22	-2,046.00
Worcester, MA	CO	Maintenance	100	-	45.19	4.61	-1,146.60
Yakima County, WA	PM ₁₀	Maintenance	100	-	18.45	1.88	-468.24
Yakima, WA	CO	Maintenance	100	-	8.31	0.85	-210.98
York, PA	Ozone	Maintenance	100	-	89.40	9.11	-2,268.55
York, PA	PM _{2.5}	Nonattainment	100	-	69.32	7.06	-1,758.97
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	114.41	11.66	-2,903.11
Yuma, AZ	PM ₁₀	Moderate	100	-	39.38	4.01	-999.22

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.13	-0.55	-12.66
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.34	-1.41	-32.44
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.36	-1.46	-33.65
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-105.88	-433.67	-9,963.98
Albuquerque, NM	CO	Maintenance	100	-	-47.62	-195.06	-4,480.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	-13.43	-54.99	-1,263.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-48.57	-198.93	-4,574.15
Altoona, PA	Ozone	Maintenance	100	-	-7.21	-29.53	-678.37
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-19.16	-78.48	-1,802.60
Anchorage, AK	CO	Maintenance	100	-	-12.90	-52.85	-1,213.87
Anthony, NM	PM ₁₀	Moderate	100	-	-0.59	-2.40	-55.07
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.40	-1.65	-37.97
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.63	-2.58	-59.28
Atlanta, GA	Ozone	Moderate	50	-	-599.43	-2,455.22	-56,405.16
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-599.62	-2,456.01	-56,423.17
Atlantic City, NJ	CO	Maintenance	100	-	-3.92	-16.05	-368.58
Bakersfield, CA	CO	Maintenance	100	-	-39.63	-162.29	-3,773.89
Baltimore, MD	CO	Maintenance	100	-	-0.75	-3.08	-71.57
Baltimore, MD	Ozone	Moderate	50	-	-258.02	-1,056.81	-24,298.11
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-258.02	-1,056.80	-24,297.75
Baton Rouge, LA	Ozone	Moderate	50	-	22.18	93.87	-2,767.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	39.57	164.68	-443.20
Benton County, TN	SO _x	Maintenance	100	-	-0.08	-0.33	-7.61
Benton Harbor, MI	Ozone	Maintenance	100	-	-12.24	-50.15	-1,152.43
Benzie County, MI	Ozone	Maintenance	100	-	-2.32	-9.48	-217.82
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-12.78	-52.34	-1,202.10
Billings, MT	CO	Maintenance	100	-	8.02	33.36	-79.83
Birmingham, AL	Ozone	Maintenance	100	-	-77.09	-315.73	-7,287.52
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-77.38	-316.90	-7,314.48

Appendix B

**Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-28.70	-117.53	-2,710.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-28.70	-117.53	-2,710.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.69	-6.90	-158.60
Boston, MA	CO	Maintenance	100	-	-67.91	-278.15	-6,388.83
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-421.21	-1,725.26	-39,627.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-56.23	-230.33	-5,290.40
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.71	-2.91	-66.82
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-89.79	-367.78	-8,447.40
Burlington, NJ	CO	Maintenance	100	-	-0.37	-1.53	-35.14
Butte, MT	PM ₁₀	Moderate	100	-	-1.35	-5.51	-126.60
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.93	-7.91	-181.67
Canton-Massillon, OH	Ozone	Maintenance	100	-	-18.32	-74.89	-1,933.62
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-18.32	-74.89	-1,933.62
Case County, MI	Ozone	Maintenance	100	-	-3.36	-13.76	-316.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.28	-6.36
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.39	-1.61	-37.00
Charleston, WV	Ozone	Maintenance	100	-	-19.20	-78.66	-1,806.67
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-19.20	-78.66	-1,806.67
Charlotte, NC	CO	Maintenance	100	-	-66.82	-273.67	-6,285.87
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-146.01	-598.05	-13,736.48
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-42.49	-174.04	-3,997.87
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-39.36	-161.23	-3,703.63
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-497.83	-2,035.12	-53,140.74
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-518.17	-2,118.45	-55,054.64
Chico, CA	CO	Maintenance	100	-	-12.37	-50.69	-1,164.20
Chico, CA	Ozone	Former Subpart 1	50	-	-25.92	-106.18	-2,438.92
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-162.14	-664.11	-15,253.68
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-156.90	-642.65	-14,760.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.83	-3.38	-77.73

Appendix B

**Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	-148.38	-607.74	-13,958.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-22.94	-93.96	-2,158.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-13.98	-57.27	-1,315.41
Cleveland, OH	CO	Maintenance	100	-	-63.10	-258.44	-5,935.99
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-198.01	-811.05	-18,628.87
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-181.07	-741.66	-17,034.94
Coachella Valley, CA	PM ₁₀	Serious	70	-	-67.89	-278.09	-6,387.44
Colbert County, AL	SO _x	Maintenance	100	-	-3.98	-16.28	-374.04
Colorado Springs, CO	CO	Maintenance	100	-	-54.60	-223.60	-5,172.74
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.53	-2.17	-49.76
Columbia, SC	Ozone	Former Subpart 1	50	-	-53.75	-220.16	-5,056.74
Columbus, OH	Ozone	Maintenance	100	-	-152.36	-624.05	-14,333.69
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-141.90	-581.21	-13,349.71
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.18	-0.73	-17.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.02	-0.07	-1.72
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-63.10	-258.44	-5,936.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	-54.40	-222.82	-5,118.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-652.98	-2,674.54	-61,455.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-61.99	-253.90	-5,831.72
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-54.43	-222.95	-5,120.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-265.43	-1,086.91	-25,442.52
Denver-Boulder, CO	CO	Maintenance	100	-	-253.32	-1,037.30	-24,303.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-322.02	-1,318.69	-30,767.03
Detroit, MI	CO	Maintenance	100	-	-95.09	-389.35	-9,143.48
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-370.46	-1,517.24	-35,095.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-363.43	-1,488.42	-34,433.52
Door County, WI	Ozone	Former Subpart 1	50	-	-3.25	-13.31	-305.63
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.69	-11.01	-252.81
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-2.21	-9.07	-208.30

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	-5.88	-24.10	-553.53
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.83	-3.40	-78.10
East Chicago, IN	CO	Maintenance	100	-	-0.07	-0.30	-6.81
East Chicago, IN	PM ₁₀	Maintenance	100	-	38.15	158.27	382.62
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.34	-7.72
El Paso County, TX	PM ₁₀	Moderate	100	-	-37.45	-153.22	-3,774.99
El Paso, TX	CO	Maintenance	100	-	-2.47	-10.13	-232.84
Erie, PA	Ozone	Maintenance	100	-	-17.06	-69.86	-1,604.60
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.15	-0.62	-14.32
Eugene-Springfield, OR	CO	Maintenance	100	-	-19.83	-81.20	-1,865.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-19.05	-78.02	-1,792.12
Evansville, IN	Ozone	Maintenance	100	-	-20.04	-82.07	-1,885.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-25.29	-103.59	-2,379.28
Fairbanks, AK	CO	Maintenance	100	-	-1.62	-6.62	-152.15
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-24.00	-98.29	-2,257.55
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.69	-2.81	-64.51
Flint, MI	Ozone	Maintenance	100	-	-39.96	-163.68	-3,759.53
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.05	-0.21	-4.88
Fort Collins, CO	CO	Maintenance	100	-	-16.82	-68.89	-1,582.37
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.04	-0.18	-4.15
Fort Wayne, IN	Ozone	Maintenance	100	-	-29.79	-122.03	-2,802.87
Franklin County, PA	Ozone	Maintenance	100	-	-12.95	-53.03	-1,217.97
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.23	-5.23
Frederick County, VA	Ozone	Former Subpart 1	50	-	-10.75	-44.01	-1,010.89
Fredericksburg, VA	Ozone	Maintenance	100	-	-40.34	-165.24	-3,795.45
Freehold, NJ	CO	Maintenance	100	-	-1.86	-7.64	-175.41
Fresno, CA	CO	Maintenance	100	-	-53.93	-220.88	-5,077.70
Grand Rapids, MI	Ozone	Maintenance	100	-	-71.33	-292.16	-6,710.44
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.76	-11.30	-259.63

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	-0.18	-0.72	-16.48
Grants Pass, OR	CO	Maintenance	100	-	-0.04	-0.18	-4.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-3.17	-12.99	-298.46
Great Falls, MT	CO	Maintenance	100	-	-1.23	-5.03	-115.44
Greater Connecticut, CT	Ozone	Moderate	50	-	-126.77	-519.23	-11,932.60
Greeley, CO	CO	Maintenance	100	-	-11.00	-45.04	-1,034.48
Green Bay, WI	SO _x	Maintenance	100	-	-10.22	-41.86	-961.36
Greene County, IN	Ozone	Maintenance	100	-	-3.93	-16.11	-369.99
Greene County, PA	Ozone	Maintenance	100	-	-3.43	-14.05	-322.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-128.52	-526.39	-12,098.64
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-62.32	-255.26	-5,870.98
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-67.89	-278.07	-6,395.57
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.78	-7.28	-167.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-9.43	-38.61	-886.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-74.30	-304.34	-6,992.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-68.45	-280.37	-6,442.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-79.82	-326.94	-7,515.96
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.96	-3.92	-90.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-3.82	-15.65	-359.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.41	-1.66	-38.22
Hazelwood, PA	SO _x	Maintenance	100	-	-3.26	-13.33	-306.63
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-13.04	-53.42	-1,226.97
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-22.34	-91.49	-2,101.32
Hollis Township, IL	SO _x	Maintenance	100	-	-0.17	-0.68	-15.74
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-374.30	-1,528.83	-42,043.13
Humphreys County, TN	SO _x	Maintenance	100	-	-0.22	-0.92	-21.09
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	30.76	127.96	-273.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	41.71	172.83	757.44

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Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	-2.11	-8.65	-198.63
Imperial County, CA	Ozone	Moderate	50	-	-21.36	-87.50	-2,009.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	-20.93	-85.74	-1,969.45
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-2.49	-10.22	-234.66
Indianapolis, IN	CO	Maintenance	100	-	-0.06	-0.23	-5.39
Indianapolis, IN	Ozone	Maintenance	100	-	-172.92	-708.26	-16,267.89
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-137.62	-563.70	-12,947.51
Jackson County, IN	Ozone	Maintenance	100	-	-6.15	-25.20	-578.73
Jamestown, NY	Ozone	Former Subpart 1	50	-	-12.03	-49.29	-1,132.09
Jefferson County, NY	Ozone	Moderate	50	-	-9.79	-40.11	-921.34
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.47	-1.91	-43.94
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-16.34	-66.95	-1,537.66
Johnstown, PA	Ozone	Maintenance	100	-	-5.98	-24.50	-562.62
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-6.59	-26.98	-619.63
Juneau, AK	PM ₁₀	Moderate	100	-	-1.14	-4.66	-106.97
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-39.26	-160.81	-3,693.57
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.77	-11.34	-260.37
Kansas City, MO-KS	Ozone	Maintenance	100	-	-144.21	-590.68	-13,594.33
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-12.58	-51.51	-1,183.17
Kent, WA	PM ₁₀	Maintenance	100	-	-2.42	-9.89	-227.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-6.53	-26.73	-613.91
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.87	-7.66	-176.04
King County, WA	PM ₁₀	Maintenance	100	-	-0.93	-3.79	-87.10
Klamath Falls, OR	CO	Maintenance	100	-	-3.75	-15.35	-352.57
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-3.75	-15.35	-352.57
Knoxville, TN	Ozone	Former Subpart 1	50	-	-109.10	-446.87	-10,264.12
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-82.26	-336.95	-7,739.29
La Porte County, IN	SO _x	Maintenance	100	-	-2.46	-10.06	-231.14
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.20	-4.91	-112.77

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	-21.89	-89.64	-2,067.45
Lake County, OH	SO _x	Maintenance	100	-	-2.74	-11.22	-257.71
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.44	-1.82	-41.72
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-3.46	-14.16	-325.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-7.87	-32.23	-740.38
Lake Tahoe, NV	CO	Maintenance	100	-	-1.58	-6.48	-148.88
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.68	-2.77	-63.51
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.09	-0.38	-8.64
Lancaster, PA	Ozone	Maintenance	100	-	-37.62	-154.09	-3,542.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-37.62	-154.09	-3,542.90
Lane County, OR	PM ₁₀	Moderate	100	-	-0.09	-0.36	-8.27
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-38.47	-157.57	-3,619.25
LaPorte, IN	Ozone	Maintenance	100	-	-6.81	-27.91	-641.04
Las Vegas, NV	CO	Serious	100	-	-148.38	-607.74	-13,958.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-149.91	-614.03	-14,103.61
Lauderdale County, AL	SO _x	Maintenance	100	-	-6.42	-26.29	-603.76
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.13	-0.55	-12.53
Libby, MT	PM ₁₀	Moderate	100	-	-0.30	-1.23	-28.33
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.40	-1.65	-37.79
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.83	-3.38	-77.72
Lima, OH	Ozone	Maintenance	100	-	1.55	6.73	-437.62
Longmont, CO	CO	Maintenance	100	-	-8.95	-36.66	-842.03
Lorain County, OH	SO _x	Maintenance	100	-	-3.73	-15.28	-350.98
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,281.47	-5,245.69	-125,564.25
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1,281.47	-5,245.69	-125,564.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,281.47	-5,245.69	-125,564.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,281.48	-5,245.72	-125,565.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,281.41	-5,245.45	-125,558.63
Los Angeles-San Bernardino Counties (western	Ozone	Moderate	50	-	-62.99	-257.99	-5,925.69

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Mohave), CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	-87.42	-358.07	-8,224.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-83.12	-340.45	-7,819.81
Lowell, MA	CO	Maintenance	100	-	-10.12	-41.43	-951.66
Lucas County, OH	SO _x	Maintenance	100	-	-21.32	-87.32	-2,005.65
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-4.46	-18.26	-419.50
Macon, GA	Ozone	Maintenance	100	-	-14.62	-59.87	-1,375.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	-14.43	-59.09	-1,357.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.20	-0.82	-18.74
Madison, WI	SO _x	Maintenance	100	-	-23.46	-96.08	-2,206.88
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.23	-5.02	-115.39
Manchester, NH	CO	Maintenance	100	-	-5.22	-21.36	-490.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-7.61	-31.18	-716.06
Marion County, IN	SO _x	Maintenance	100	-	-22.82	-93.46	-2,146.59
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-11.93	-48.86	-1,122.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-25.96	-106.31	-2,441.86
Mason County, MI	Ozone	Maintenance	100	-	-2.20	-8.99	-206.59
Medford, OR	CO	Maintenance	100	-	-7.69	-31.51	-723.80
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-18.56	-76.03	-1,746.32
Memphis, TN-AR	Ozone	Maintenance	100	-	-68.46	-280.22	-6,716.21
Memphis, TN	CO	Maintenance	100	-	-63.17	-258.57	-6,218.98
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.82	-11.54	-265.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.34	-1.40	-32.35
Milwaukee, WI	SO _x	Maintenance	100	-	-39.48	-161.71	-3,714.25
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-147.28	-603.24	-13,855.69
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-130.16	-528.71	-19,304.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-240.26	-984.07	-22,628.90
Missoula, MT	CO	Maintenance	100	-	-5.03	-20.58	-484.81

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	-4.86	-19.90	-468.99
Modesto, CA	CO	Maintenance	100	-	-31.18	-127.71	-2,933.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-10.79	-44.20	-1,015.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.15	-0.63	-14.48
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.25	-1.01	-23.27
Morristown, NJ	CO	Maintenance	100	-	-3.31	-13.54	-311.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.08	-8.53	-195.98
Muncie, IN	Ozone	Maintenance	100	-	-7.57	-31.00	-712.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.48	-1.95	-44.69
Muscatine County, IA	SO _x	Maintenance	100	-	-1.28	-5.23	-120.24
Muskegon, MI	Ozone	Maintenance	100	-	-10.62	-43.50	-999.66
Nashua, NH	CO	Maintenance	100	-	-4.26	-17.45	-400.74
Nashville, TN	Ozone	Former Subpart 1	50	-	-143.82	-589.08	-13,538.98
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-16.41	-67.23	-1,544.15
New Haven County, CT	PM ₁₀	Maintenance	100	-	-13.33	-54.58	-1,253.75
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-59.60	-244.13	-5,607.35
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.44	-1.80	-41.45
New York County, NY	PM ₁₀	Moderate	100	-	-32.10	-131.48	-3,019.98
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-606.76	-2,485.06	-57,357.04
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,190.45	-4,875.75	-112,407.72
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,179.40	-4,830.49	-111,368.20
Nogales, AZ	PM ₁₀	Moderate	100	-	-3.52	-14.43	-331.33
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	225.22	935.61	195.11
Ogden, UT	CO	Maintenance	100	-	-5.37	-22.00	-505.40
Ogden, UT	PM ₁₀	Moderate	100	-	-5.37	-22.00	-505.42
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.56	-12.89
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.42	-5.81	-133.52
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-10.07	-41.26	-947.72

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.48	-1.96	-44.96
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.07	-1.71
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.84	-44.40	-1,019.87
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-10.92	-44.75	-1,027.77
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.76	-7.20	-165.34
Penns Grove, NJ	CO	Maintenance	100	-	-0.04	-0.15	-3.50
Peoria, IL	SO _x	Maintenance	100	-	-7.29	-29.87	-687.16
Perth Amboy, NJ	CO	Maintenance	100	-	-5.94	-24.25	-692.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-26.74	-109.51	-2,515.35
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-281.95	-1,152.40	-30,458.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-450.92	-1,844.48	-46,357.49
Phoenix, AZ	CO	Maintenance	100	-	-529.24	-2,167.72	-49,797.23
Phoenix, AZ	PM ₁₀	Serious	70	-	-542.70	-2,222.85	-51,063.57
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-544.02	-2,228.27	-51,187.92
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.73	-3.01	-69.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.07	-0.28	-6.44
Pittsburgh, PA	CO	Maintenance	100	-	-2.61	-10.67	-245.40
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-150.79	-617.63	-14,193.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-137.67	-563.87	-12,958.63
Polk County, TN	SO _x	Maintenance	100	-	-1.62	-6.65	-152.76
Polson, MT	PM ₁₀	Moderate	100	-	-0.30	-1.22	-27.93
Portland, ME	Ozone	Maintenance	100	-	-45.26	-185.35	-4,278.89
Portland, OR	CO	Maintenance	100	-	-91.81	-376.02	-8,657.45
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.32	-13.59	-312.24
Poughkeepsie, NY	Ozone	Moderate	50	-	-129.57	-530.72	-12,190.07
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.64	-2.63	-60.41
Providence (entire State), RI	Ozone	Moderate	50	-	-82.74	-338.88	-7,812.02
Provo, UT	CO	Maintenance	100	-	-15.48	-63.42	-1,456.66
Raleigh-Durham, NC	CO	Maintenance	100	-	-119.87	-490.97	-11,281.48

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-162.53	-665.71	-15,295.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.13	-0.52	-11.98
Reading, PA	Ozone	Maintenance	100	-	-26.38	-108.04	-2,481.44
Reading, PA	PM _{2.5}	Nonattainment	100	-	-26.38	-108.04	-2,481.44
Reno, NV	CO	Maintenance	100	-	-19.91	-81.54	-1,872.92
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.12	-0.49	-11.20
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-98.32	-402.70	-9,255.99
Rillito, AZ	PM ₁₀	Moderate	100	-	-4.95	-20.29	-465.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-67.89	-278.09	-6,387.44
Roanoke, VA	Ozone	Former Subpart 1	50	-	-19.84	-81.27	-1,866.76
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-6.87	-28.14	-646.36
Rochester, NY	Ozone	Former Subpart 1	50	-	-106.40	-435.82	-10,010.21
Rocky Mount, NC	Ozone	Maintenance	100	-	-13.93	-57.04	-1,310.21
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.37	-38.37	-881.33
Ronan, MT	PM ₁₀	Moderate	100	-	-0.11	-0.46	-10.48
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.18	-0.76	-17.36
Sacramento County, CA	PM ₁₀	Moderate	100	-	-152.72	-625.54	-14,367.88
Sacramento Metro, CA	Ozone	Severe	25	-	-282.82	-1,158.40	-26,640.84
Sacramento, CA	CO	Maintenance	100	-	-171.82	-703.77	-16,168.67
Salem, OR	CO	Maintenance	100	-	-10.13	-41.51	-953.43
Salt Lake City, UT	CO	Maintenance	100	-	-17.01	-69.64	-1,680.85
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-86.42	-353.90	-8,210.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	-87.75	-359.43	-8,255.72
San Antonio, TX	Ozone	Former Subpart 1	50	-	-162.39	-665.12	-15,284.56
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-38.28	-156.77	-3,600.87
San Diego, CA	CO	Maintenance	100	-	-408.79	-1,674.37	-38,458.24
San Diego, CA	Ozone	Former Subpart 1	50	-	-409.60	-1,677.67	-38,534.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-568.77	-2,328.93	-54,619.58

Appendix B

**Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-640.20	-2,621.52	-61,340.15
San Joaquin Valley, CA	Ozone	Extreme	10	-	-456.13	-1,868.24	-42,965.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-457.13	-1,872.33	-43,059.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-456.13	-1,868.24	-42,965.54
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-3.22	-13.19	-303.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.05	-0.22	-5.07
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-53.21	-217.93	-5,005.66
Seattle-Tacoma, WA	CO	Maintenance	100	-	-264.26	-1,082.37	-24,860.73
Sheboygan, WI	Ozone	Moderate	50	-	-10.09	-41.33	-949.26
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.68	-6.87	-157.85
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.09
Somerville, NJ	CO	Maintenance	100	-	-1.49	-6.10	-140.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-35.96	-147.31	-3,384.78
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-9.61	-39.36	-904.24
Spokane County, WA	PM ₁₀	Maintenance	100	-	-26.03	-106.60	-2,448.40
Spokane, WA	CO	Maintenance	100	-	-25.72	-105.34	-2,419.43
Springfield (western MA), MA	Ozone	Moderate	50	-	-70.81	-290.02	-6,673.36
Springfield, MA	CO	Maintenance	100	-	-12.40	-50.78	-1,171.53
St. Louis, MO	CO	Maintenance	100	-	-58.80	-240.86	-5,532.23
St. Louis, MO-IL	Ozone	Moderate	50	-	-202.12	-827.15	-20,158.91
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-200.65	-821.14	-20,020.87
State College, PA	Ozone	Maintenance	100	-	-15.18	-62.17	-1,428.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-1.99	-8.15	-187.23
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.90	-11.87	-272.58
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-5.48	-22.42	-576.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-5.48	-22.42	-576.01
Stockton, CA	CO	Maintenance	100	-	-48.44	-198.40	-4,557.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.03
Syracuse, NY	CO	Maintenance	100	-	-38.55	-157.90	-3,626.86

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.19	-0.78	-17.98
Terre Haute, IN	Ozone	Maintenance	100	-	-8.80	-36.05	-827.95
Tioga County, PA	Ozone	Maintenance	100	-	-4.00	-16.40	-376.69
Toledo, OH	Ozone	Maintenance	100	-	-12.58	-50.47	-2,880.79
Toms River, NJ	CO	Maintenance	100	-	-9.68	-39.64	-910.59
Tooele County, UT	SO _x	Nonattainment	100	-	-8.63	-35.34	-811.79
Trenton, NJ	CO	Maintenance	100	-	-7.37	-30.20	-693.67
Trona, CA	PM ₁₀	Moderate	100	-	-0.32	-1.31	-30.10
Tucson, AZ	CO	Maintenance	100	-	-90.52	-370.75	-8,515.62
Utah County, UT	PM ₁₀	Moderate	100	-	-44.19	-180.99	-4,157.12
Vancouver, WA	CO	Maintenance	100	-	-30.14	-123.44	-2,835.36
Ventura County, CA	Ozone	Serious	50	-	-83.24	-340.95	-7,859.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.50	-2.04	-46.75
Vigo County, IN	SO _x	Maintenance	100	-	-8.80	-36.05	-827.95
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	-4.45	-18.24	-418.99
Warren County, NJ	SO _x	Maintenance	100	-	-2.98	-12.22	-280.68
Warren County, PA	SO _x	Nonattainment	100	-	-0.93	-3.80	-89.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-16.64	-68.15	-1,565.39
Washington, DC-MD-VA	CO	Maintenance	100	-	-134.93	-552.65	-12,693.63
Washington, DC-MD-VA	Ozone	Moderate	50	-	-483.50	-1,980.37	-45,486.58
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-472.30	-1,934.49	-44,432.76
Washoe County, NV	PM ₁₀	Serious	70	-	-19.91	-81.54	-1,872.92
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.31	-1.26	-28.94
Wayne County, IN	SO _x	Maintenance	100	-	-4.71	-19.27	-442.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-7.77	-31.76	-865.46
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.49	-2.00	-45.93
Weirton, WV	SO _x	Maintenance	100	-	-0.69	-2.82	-64.82
Wheeling, WV-OH	Ozone	Maintenance	100	-	-9.83	-40.27	-924.90

Appendix B

Table B.1-92
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-9.83	-40.27	-924.90
Winston-Salem, NC	CO	Maintenance	100	-	-33.88	-138.77	-3,187.29
Worcester, MA	CO	Maintenance	100	-	-20.16	-82.57	-1,896.61
Yakima County, WA	PM ₁₀	Maintenance	100	-	-7.78	-31.86	-731.81
Yakima, WA	CO	Maintenance	100	-	-3.84	-15.72	-361.16
York, PA	Ozone	Maintenance	100	-	-38.31	-156.91	-3,604.12
York, PA	PM _{2.5}	Nonattainment	100	-	-29.63	-121.38	-2,787.85
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-44.17	-180.90	-4,155.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-17.60	-72.10	-1,656.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.55	2.96	21.22
Albuquerque, NM	CO	Maintenance	100	-	0.77	1.45	9.98
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.18	0.35	2.40
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.69	1.32	9.77
Altoona, PA	Ozone	Maintenance	100	-	0.13	0.26	1.76
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.20	0.38	2.59
Anchorage, AK	CO	Maintenance	100	-	0.18	0.34	2.33
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.02	0.13
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Atlanta, GA	Ozone	Moderate	50	-	8.40	15.93	110.75
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	8.40	15.94	110.81
Atlantic City, NJ	CO	Maintenance	100	-	0.07	0.13	0.88
Bakersfield, CA	CO	Maintenance	100	-	-2.43	-4.07	-2.28
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	0.15
Baltimore, MD	Ozone	Moderate	50	-	3.57	6.81	49.13
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3.57	6.81	49.13
Baton Rouge, LA	Ozone	Moderate	50	-	-87.41	-149.61	-270.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-246.48	-422.24	-783.44
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.23	0.44	3.11
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.05	0.37
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.19	0.36	2.45
Billings, MT	CO	Maintenance	100	-	-29.29	-50.18	-92.79
Birmingham, AL	Ozone	Maintenance	100	-	-1.47	-2.28	8.36

Appendix B

Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.47	-2.27	8.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.30	0.58	5.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.30	0.58	5.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.04	0.27
Boston, MA	CO	Maintenance	100	-	1.11	2.11	14.49
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	6.60	12.51	86.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.83	1.58	10.86
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.02	0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.51	2.86	19.65
Burlington, NJ	CO	Maintenance	100	-	0.01	0.02	0.14
Butte, MT	PM ₁₀	Moderate	100	-	0.03	0.05	0.37
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.05	0.32
Canton-Massillon, OH	Ozone	Maintenance	100	-	-9.60	-16.38	-26.90
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-9.60	-16.38	-26.90
Case County, MI	Ozone	Maintenance	100	-	0.06	0.11	0.74
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.02	0.11
Charleston, WV	Ozone	Maintenance	100	-	0.37	0.70	4.80
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.37	0.70	4.80
Charlotte, NC	CO	Maintenance	100	-	0.94	1.77	12.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.10	3.98	27.39
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.70	1.33	9.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.63	1.20	8.40
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-153.70	-261.72	-402.48
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-153.39	-261.13	-398.44
Chico, CA	CO	Maintenance	100	-	0.13	0.25	1.72
Chico, CA	Ozone	Former Subpart 1	50	-	0.31	0.59	4.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.55	4.84	33.26

Appendix B

Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.48	4.70	32.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.24
Clark County, NV	PM ₁₀	Serious	70	-	1.87	3.55	24.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.33	0.63	4.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.24	0.45	3.07
Cleveland, OH	CO	Maintenance	100	-	1.25	2.37	16.31
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.37	6.39	43.94
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.11	5.90	40.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.78	1.49	10.22
Colbert County, AL	SO _x	Maintenance	100	-	0.08	0.15	1.04
Colorado Springs, CO	CO	Maintenance	100	-	0.49	0.97	8.89
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	0.84	1.60	10.99
Columbus, OH	Ozone	Maintenance	100	-	2.14	4.05	27.83
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.98	3.75	25.79
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.25	2.37	16.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.02	1.93	13.29
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	8.44	16.06	113.51
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.10	2.09	14.35
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.97	1.85	12.70
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-14.38	-23.95	-8.80
Denver-Boulder, CO	CO	Maintenance	100	-	-14.54	-24.26	-10.94
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-13.61	-22.49	1.30
Detroit, MI	CO	Maintenance	100	-	-17.06	-28.86	-33.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-18.13	-29.98	1.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-18.24	-30.19	-0.39

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Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.05	0.09	0.61
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.09	0.60
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.07	0.47
Duluth, MN	CO	Maintenance	100	-	0.11	0.20	1.41
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-108.33	-185.58	-343.95
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.61	-18.07	-27.82
El Paso, TX	CO	Maintenance	100	-	0.04	0.07	0.52
Erie, PA	Ozone	Maintenance	100	-	0.30	0.57	3.91
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.30	0.56	3.86
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.28	0.54	3.68
Evansville, IN	Ozone	Maintenance	100	-	0.33	0.63	4.30
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.43	0.81	5.55
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.04	0.28
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.38	0.73	4.99
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.12
Flint, MI	Ozone	Maintenance	100	-	0.68	1.29	8.86
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.22	0.42	2.89
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.47	0.90	6.16
Franklin County, PA	Ozone	Maintenance	100	-	0.20	0.37	2.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.17	0.32	2.20
Fredericksburg, VA	Ozone	Maintenance	100	-	0.52	0.98	6.77

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.04	0.28
Fresno, CA	CO	Maintenance	100	-	0.67	1.29	9.48
Grand Rapids, MI	Ozone	Maintenance	100	-	1.04	1.97	13.52
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.10	0.70
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.04	0.08	0.54
Great Falls, MT	CO	Maintenance	100	-	0.03	0.05	0.34
Greater Connecticut, CT	Ozone	Moderate	50	-	2.08	3.95	27.81
Greeley, CO	CO	Maintenance	100	-	0.16	0.30	2.05
Green Bay, WI	SO _x	Maintenance	100	-	0.16	0.30	2.06
Greene County, IN	Ozone	Maintenance	100	-	0.06	0.12	0.82
Greene County, PA	Ozone	Maintenance	100	-	0.06	0.11	0.78
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.02	3.85	27.26
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.96	1.83	13.37
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.08	2.06	15.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.06	0.38
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.15	0.28	1.94
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.05	2.00	14.14
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.97	1.84	13.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.33	2.53	17.99
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.02	0.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.05	0.09	0.64
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.05	0.09	0.66
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.24	0.45	3.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.38	0.73	5.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.04

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Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-275.77	-471.24	-811.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-59.30	-101.54	-185.80
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-59.49	-101.89	-188.16
Huron County, MI	Ozone	Maintenance	100	-	0.04	0.07	0.49
Imperial County, CA	Ozone	Moderate	50	-	0.27	0.52	3.57
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.27	0.51	3.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.04	0.08	0.57
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	2.57	4.87	33.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.04	3.86	26.53
Jackson County, IN	Ozone	Maintenance	100	-	0.10	0.20	1.35
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.20	0.38	2.64
Jefferson County, NY	Ozone	Moderate	50	-	0.16	0.30	2.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.28	0.54	3.71
Johnstown, PA	Ozone	Maintenance	100	-	0.14	0.26	1.79
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.29	1.96
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.03	0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.66	1.25	8.59
Kalispell, MT	PM ₁₀	Moderate	100	-	0.04	0.07	0.48
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.82	3.51	26.83
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.18	0.35	2.39
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.41
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.11	0.20	1.40
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.06	0.42
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.06	0.12	0.85

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.06	0.12	0.85
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.51	2.85	19.62
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.17	2.22	15.27
La Porte County, IN	SO _x	Maintenance	100	-	0.05	0.09	0.60
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.25
Lake County, IN	SO _x	Maintenance	100	-	0.35	0.67	5.07
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.09	0.61
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.10
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.07	0.46
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.14	0.97
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.05	0.34
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.54	1.03	7.44
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.54	1.03	7.44
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.62	1.17	8.07
LaPorte, IN	Ozone	Maintenance	100	-	0.13	0.24	1.68
Las Vegas, NV	CO	Serious	100	-	1.87	3.55	24.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.90	3.61	24.80
Lauderdale County, AL	SO _x	Maintenance	100	-	0.12	0.22	1.51
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.24
Lima, OH	Ozone	Maintenance	100	-	-51.66	-88.50	-163.89
Longmont, CO	CO	Maintenance	100	-	0.11	0.22	1.49
Lorain County, OH	SO _x	Maintenance	100	-	0.06	0.11	0.78

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-52.10	-85.76	24.49
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-52.10	-85.76	24.49
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-52.10	-85.76	24.49
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-52.10	-85.76	24.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-52.10	-85.76	24.48
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.88	1.66	11.43
Louisville, KY-IN	Ozone	Maintenance	100	-	1.48	2.80	19.22
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.43	2.71	18.65
Lowell, MA	CO	Maintenance	100	-	0.15	0.28	1.90
Lucas County, OH	SO _x	Maintenance	100	-	0.40	0.75	5.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.08	0.15	1.07
Macon, GA	Ozone	Maintenance	100	-	0.28	0.53	3.63
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.28	0.52	3.59
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Madison, WI	SO _x	Maintenance	100	-	0.31	0.58	4.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.15
Manchester, NH	CO	Maintenance	100	-	0.10	0.19	1.33
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.13	0.25	1.73
Marion County, IN	SO _x	Maintenance	100	-	0.41	0.78	5.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.14	0.26	1.80
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.41	0.78	5.39
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.06	0.44
Medford, OR	CO	Maintenance	100	-	0.10	0.18	1.27
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.23	0.44	3.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-12.79	-21.68	-27.97
Memphis, TN	CO	Maintenance	100	-	-12.90	-21.88	-29.37
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.04	0.07	0.48

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	0.09
Milwaukee, WI	SO _x	Maintenance	100	-	0.70	1.32	9.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.30	4.36	29.99
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-45.13	-76.66	-108.01
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.31	6.32	45.95
Missoula, MT	CO	Maintenance	100	-	-0.06	-0.08	0.60
Missoula, MT	PM ₁₀	Moderate	100	-	-0.05	-0.08	0.58
Modesto, CA	CO	Maintenance	100	-	0.38	0.72	4.97
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.13	0.24	1.67
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.06
Morristown, NJ	CO	Maintenance	100	-	0.04	0.08	0.53
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.04	0.07	0.50
Muncie, IN	Ozone	Maintenance	100	-	0.16	0.29	2.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.04	0.26
Muskegon, MI	Ozone	Maintenance	100	-	0.16	0.31	2.16
Nashua, NH	CO	Maintenance	100	-	0.08	0.15	1.06
Nashville, TN	Ozone	Former Subpart 1	50	-	2.00	3.80	26.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.17	0.32	2.19
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.18	0.33	2.30
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.03	1.95	13.43
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.02	0.10
New York County, NY	PM ₁₀	Moderate	100	-	0.61	1.15	7.90
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-18.06	-29.09	42.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-21.30	-33.01	121.49
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-21.46	-33.32	119.40
Nogales, AZ	PM ₁₀	Moderate	100	-	0.05	0.10	0.68

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-30.10	-51.21	-76.19
Ogden, UT	CO	Maintenance	100	-	0.09	0.17	1.20
Ogden, UT	PM ₁₀	Moderate	100	-	0.09	0.17	1.20
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	0.05	0.36
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.14	0.26	1.76
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.19	0.36	2.48
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.19	0.36	2.50
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.05	0.32
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.13	1.49
Perth Amboy, NJ	CO	Maintenance	100	-	-12.04	-20.61	-37.56
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.52	0.98	6.78
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-98.63	-167.95	-258.64
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-96.08	-163.10	-223.97
Phoenix, AZ	CO	Maintenance	100	-	5.55	10.54	73.60
Phoenix, AZ	PM ₁₀	Serious	70	-	5.73	10.88	75.95
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.75	10.92	76.22
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.05	0.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.46	4.70	33.75
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.24	4.27	30.80
Polk County, TN	SO _x	Maintenance	100	-	0.03	0.05	0.36
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Portland, ME	Ozone	Maintenance	100	-	0.48	0.96	8.69

Appendix B

Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.33	2.54	19.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.06	0.11	0.75
Poughkeepsie, NY	Ozone	Moderate	50	-	1.72	3.25	22.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.02	0.16
Providence (entire State), RI	Ozone	Moderate	50	-	0.96	1.87	15.52
Provo, UT	CO	Maintenance	100	-	0.20	0.39	2.66
Raleigh-Durham, NC	CO	Maintenance	100	-	1.60	3.03	21.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.20	4.18	29.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Reading, PA	Ozone	Maintenance	100	-	0.43	0.82	5.65
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.43	0.82	5.65
Reno, NV	CO	Maintenance	100	-	0.32	0.60	4.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.40	2.69	20.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.06	0.11	0.79
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.78	1.49	10.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.34	0.65	4.48
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.10	0.19	1.34
Rochester, NY	Ozone	Former Subpart 1	50	-	1.74	3.30	22.69
Rocky Mount, NC	Ozone	Maintenance	100	-	0.24	0.46	3.18
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.30	2.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.85	3.50	24.09
Sacramento Metro, CA	Ozone	Severe	25	-	3.11	5.93	42.35
Sacramento, CA	CO	Maintenance	100	-	2.03	3.85	26.70
Salem, OR	CO	Maintenance	100	-	0.17	0.32	2.23
Salt Lake City, UT	CO	Maintenance	100	-	-5.54	-9.45	-15.06

Appendix B

**Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-4.49	-7.46	-1.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.32	2.51	17.24
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.01	3.87	29.78
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.54	1.03	7.08
San Diego, CA	CO	Maintenance	100	-	5.11	9.69	67.27
San Diego, CA	Ozone	Former Subpart 1	50	-	5.12	9.71	67.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-140.69	-239.60	-370.40
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-139.59	-237.53	-356.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.53	5.36	63.60
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.56	5.41	63.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.53	5.36	63.60
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.04	0.08	0.55
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.87	1.65	11.35
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.81	7.22	49.65
Sheboygan, WI	Ozone	Moderate	50	-	0.15	0.29	1.99
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.05	0.37
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.04	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.50	0.96	7.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.23	0.44	3.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.38	0.72	4.94
Spokane, WA	CO	Maintenance	100	-	0.38	0.71	4.89
Springfield (western MA), MA	Ozone	Moderate	50	-	1.04	1.99	14.73
Springfield, MA	CO	Maintenance	100	-	0.14	0.27	2.27
St. Louis, MO	CO	Maintenance	100	-	1.23	2.34	16.09
St. Louis, MO-IL	Ozone	Moderate	50	-	-79.94	-136.28	-217.53
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-79.97	-136.33	-217.86

Appendix B

**Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.22	0.41	2.83
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.29
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	0.11	0.74
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.92	-4.98	-8.09
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.92	-4.98	-8.09
Stockton, CA	CO	Maintenance	100	-	0.58	1.09	7.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.67	1.28	8.79
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.18	0.33	2.29
Tioga County, PA	Ozone	Maintenance	100	-	0.07	0.14	0.97
Toledo, OH	Ozone	Maintenance	100	-	-49.26	-84.28	-150.51
Toms River, NJ	CO	Maintenance	100	-	0.13	0.24	1.63
Tooele County, UT	SO _x	Nonattainment	100	-	0.13	0.25	1.69
Trenton, NJ	CO	Maintenance	100	-	0.11	0.22	1.49
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Tucson, AZ	CO	Maintenance	100	-	1.26	2.39	16.42
Utah County, UT	PM ₁₀	Moderate	100	-	0.61	1.16	8.01
Vancouver, WA	CO	Maintenance	100	-	0.39	0.73	5.05
Ventura County, CA	Ozone	Serious	50	-	0.90	1.74	13.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Vigo County, IN	SO _x	Maintenance	100	-	0.18	0.33	2.29
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.07	0.14	0.96
Warren County, NJ	SO _x	Maintenance	100	-	0.05	0.09	0.60
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	0.15
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.28	0.53	3.61
Washington, DC-MD-VA	CO	Maintenance	100	-	2.03	3.84	26.38

Appendix B

Table B.1-93
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	6.87	13.01	89.48
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	6.73	12.75	87.65
Washoe County, NV	PM ₁₀	Serious	70	-	0.32	0.60	4.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.10	0.18	1.26
Wayne County, MI	PM ₁₀	Maintenance	100	-	-12.53	-21.45	-39.16
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.02	0.17
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.03	0.22
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.20	0.38	2.61
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.38	2.61
Winston-Salem, NC	CO	Maintenance	100	-	0.53	1.01	6.92
Worcester, MA	CO	Maintenance	100	-	0.28	0.52	3.60
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.12	0.23	1.56
Yakima, WA	CO	Maintenance	100	-	0.05	0.09	0.62
York, PA	Ozone	Maintenance	100	-	0.57	1.08	7.43
York, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.84	5.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.85	1.61	11.07
Yuma, AZ	PM ₁₀	Moderate	100	-	0.23	0.44	3.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.18
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.03	0.19
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	3.85	7.23	56.19
Albuquerque, NM	CO	Maintenance	100	-	1.88	3.52	26.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.46	0.87	6.44
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.72	3.24	25.98
Altoona, PA	Ozone	Maintenance	100	-	0.32	0.61	4.50
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.53	0.99	7.35
Anchorage, AK	CO	Maintenance	100	-	0.45	0.85	6.28
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.04	0.33
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.03	0.22
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.31
Atlanta, GA	Ozone	Moderate	50	-	21.07	39.50	295.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	21.08	39.52	295.94
Atlantic City, NJ	CO	Maintenance	100	-	0.16	0.31	2.27
Bakersfield, CA	CO	Maintenance	100	-	-5.34	-9.38	9.93
Baltimore, MD	CO	Maintenance	100	-	0.01	0.03	0.42
Baltimore, MD	Ozone	Moderate	50	-	8.94	16.80	131.36
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	8.94	16.80	131.36
Baton Rouge, LA	Ozone	Moderate	50	-	-197.04	-350.75	-252.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-556.05	-990.30	-775.78
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	0.56	1.04	7.94
Benzie County, MI	Ozone	Maintenance	100	-	0.07	0.14	1.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.47	0.88	6.49
Billings, MT	CO	Maintenance	100	-	-66.08	-117.67	-91.18
Birmingham, AL	Ozone	Maintenance	100	-	-3.09	-5.20	35.82

Appendix B

Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.08	-5.18	35.97
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.77	1.47	14.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.77	1.47	14.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.05	0.10	0.74
Boston, MA	CO	Maintenance	100	-	2.72	5.09	37.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	16.28	30.49	225.73
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.08	3.89	28.75
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	0.06	0.43
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.68	6.89	50.98
Burlington, NJ	CO	Maintenance	100	-	0.03	0.05	0.36
Butte, MT	PM ₁₀	Moderate	100	-	0.07	0.12	0.92
Canon City, CO	PM ₁₀	Maintenance	100	-	0.06	0.12	0.86
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.60	-38.38	-19.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.60	-38.38	-19.08
Case County, MI	Ozone	Maintenance	100	-	0.14	0.26	1.93
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.04	0.28
Charleston, WV	Ozone	Maintenance	100	-	0.88	1.65	12.22
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.88	1.65	12.22
Charlotte, NC	CO	Maintenance	100	-	2.35	4.40	32.57
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.26	9.85	72.83
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.71	3.20	24.08
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.55	2.91	21.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-344.75	-611.99	-210.57
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-343.99	-610.56	-199.94
Chico, CA	CO	Maintenance	100	-	0.35	0.65	4.81
Chico, CA	Ozone	Former Subpart 1	50	-	0.80	1.50	11.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6.29	11.78	87.14

Appendix B

**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	6.11	11.44	84.60
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	0.07	0.61
Clark County, NV	PM ₁₀	Serious	70	-	4.80	8.98	66.46
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.83	1.55	11.48
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.57	1.08	7.96
Cleveland, OH	CO	Maintenance	100	-	2.98	5.59	41.33
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	8.21	15.38	113.74
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	7.57	14.18	104.87
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.04	3.83	28.31
Colbert County, AL	SO _x	Maintenance	100	-	0.19	0.36	2.63
Colorado Springs, CO	CO	Maintenance	100	-	1.30	2.49	25.31
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.24
Columbia, SC	Ozone	Former Subpart 1	50	-	2.08	3.89	28.77
Columbus, OH	Ozone	Maintenance	100	-	5.37	10.05	74.35
Columbus, OH	PM _{2.5}	Nonattainment	100	-	4.98	9.32	68.96
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	2.98	5.59	41.33
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.44	4.57	33.80
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	21.46	40.26	307.31
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.66	4.99	36.92
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.36	4.41	32.63
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-31.46	-55.15	73.68
Denver-Boulder, CO	CO	Maintenance	100	-	-31.87	-55.93	67.93
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-29.51	-51.52	100.79
Detroit, MI	CO	Maintenance	100	-	-38.03	-67.26	8.88
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-39.70	-69.36	126.97
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-39.97	-69.87	123.17

Appendix B

**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.12	0.22	1.63
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.11	0.21	1.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.09	0.17	1.24
Duluth, MN	CO	Maintenance	100	-	0.26	0.49	3.60
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.05	0.38
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-244.39	-435.24	-339.77
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-23.80	-42.24	-14.60
El Paso, TX	CO	Maintenance	100	-	0.09	0.17	1.37
Erie, PA	Ozone	Maintenance	100	-	0.73	1.36	10.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	0.73	1.38	10.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.70	1.32	9.73
Evansville, IN	Ozone	Maintenance	100	-	0.81	1.51	11.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.04	1.95	14.40
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.10	0.77
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.94	1.76	13.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.32
Flint, MI	Ozone	Maintenance	100	-	1.66	3.10	22.95
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	0.56	1.06	7.81
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	1.16	2.18	16.13
Franklin County, PA	Ozone	Maintenance	100	-	0.49	0.91	6.73
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.42	0.78	5.77
Fredericksburg, VA	Ozone	Maintenance	100	-	1.32	2.48	18.35

Appendix B

Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.06	0.10	0.76
Fresno, CA	CO	Maintenance	100	-	1.72	3.24	25.86
Grand Rapids, MI	Ozone	Maintenance	100	-	2.59	4.85	35.89
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.13	0.24	1.80
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.12
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.10	0.20	1.45
Great Falls, MT	CO	Maintenance	100	-	0.06	0.12	0.86
Greater Connecticut, CT	Ozone	Moderate	50	-	5.08	9.53	72.40
Greeley, CO	CO	Maintenance	100	-	0.39	0.74	5.45
Green Bay, WI	SO _x	Maintenance	100	-	0.39	0.73	5.43
Greene County, IN	Ozone	Maintenance	100	-	0.15	0.29	2.15
Greene County, PA	Ozone	Maintenance	100	-	0.14	0.27	2.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4.96	9.32	71.42
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.35	4.42	35.16
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.63	4.95	39.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.07	0.13	0.99
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.37	0.69	5.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.63	4.93	37.68
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.42	4.54	34.77
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.23	6.07	46.77
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	0.06	0.44
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.12	0.23	1.73
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.03	0.22
Hazelwood, PA	SO _x	Maintenance	100	-	0.11	0.21	1.75
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.57	1.06	7.86
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.94	1.75	12.95
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.10

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**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-620.56	-1,103.67	-660.14
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.12
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-133.75	-238.14	-178.39
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-134.19	-238.97	-184.53
Huron County, MI	Ozone	Maintenance	100	-	0.09	0.17	1.26
Imperial County, CA	Ozone	Moderate	50	-	0.70	1.31	9.70
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.68	1.28	9.48
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.11	0.20	1.48
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.04
Indianapolis, IN	Ozone	Maintenance	100	-	6.40	11.98	88.60
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.07	9.49	70.22
Jackson County, IN	Ozone	Maintenance	100	-	0.25	0.47	3.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.49	0.93	6.85
Jefferson County, NY	Ozone	Moderate	50	-	0.39	0.74	5.46
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.02	0.05	0.34
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.69	1.29	9.57
Johnstown, PA	Ozone	Maintenance	100	-	0.32	0.60	4.46
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.66	4.89
Juneau, AK	PM ₁₀	Moderate	100	-	0.03	0.06	0.48
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.61	3.01	22.28
Kalispell, MT	PM ₁₀	Moderate	100	-	0.09	0.18	1.30
Kansas City, MO-KS	Ozone	Maintenance	100	-	4.61	8.71	72.67
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.46	0.86	6.34
Kent, WA	PM ₁₀	Maintenance	100	-	0.08	0.15	1.11
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.26	0.49	3.66
Kewaunee County, WI	Ozone	Maintenance	100	-	0.08	0.15	1.09
King County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.45
Klamath Falls, OR	CO	Maintenance	100	-	0.16	0.30	2.18

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Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.16	0.30	2.18
Knoxville, TN	Ozone	Former Subpart 1	50	-	3.79	7.11	52.56
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.94	5.50	40.67
La Porte County, IN	SO _x	Maintenance	100	-	0.11	0.21	1.53
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	0.09	0.66
Lake County, IN	SO _x	Maintenance	100	-	0.85	1.61	13.26
Lake County, OH	SO _x	Maintenance	100	-	0.11	0.21	1.58
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.27
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.09	0.18	1.30
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.20	0.38	2.78
Lake Tahoe, NV	CO	Maintenance	100	-	0.06	0.12	0.89
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.39
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Lancaster, PA	Ozone	Maintenance	100	-	1.34	2.53	19.78
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.34	2.53	19.78
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.52	2.85	21.07
LaPorte, IN	Ozone	Maintenance	100	-	0.31	0.58	4.29
Las Vegas, NV	CO	Serious	100	-	4.80	8.98	66.46
Las Vegas, NV	Ozone	Former Subpart 1	50	-	4.87	9.12	67.44
Lauderdale County, AL	SO _x	Maintenance	100	-	0.28	0.52	3.88
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.08
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.19
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.26
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.61
Lima, OH	Ozone	Maintenance	100	-	-116.55	-207.56	-161.59
Longmont, CO	CO	Maintenance	100	-	0.29	0.55	4.04
Lorain County, OH	SO _x	Maintenance	100	-	0.15	0.27	2.03

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**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-112.73	-196.31	445.21
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-112.73	-196.31	445.21
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-112.73	-196.31	445.21
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-112.73	-196.31	445.22
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-112.73	-196.32	445.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.21	4.13	30.57
Louisville, KY-IN	Ozone	Maintenance	100	-	3.60	6.74	49.83
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.48	6.52	48.21
Lowell, MA	CO	Maintenance	100	-	0.36	0.68	5.01
Lucas County, OH	SO _x	Maintenance	100	-	0.95	1.78	13.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.20	0.37	2.74
Macon, GA	Ozone	Maintenance	100	-	0.67	1.25	9.25
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.66	1.24	9.15
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.02	0.13
Madison, WI	SO _x	Maintenance	100	-	0.78	1.47	10.84
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.06	0.42
Manchester, NH	CO	Maintenance	100	-	0.25	0.46	3.41
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.32	0.60	4.47
Marion County, IN	SO _x	Maintenance	100	-	1.00	1.87	13.81
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.36	0.67	4.98
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.02	1.90	14.09
Mason County, MI	Ozone	Maintenance	100	-	0.08	0.16	1.16
Medford, OR	CO	Maintenance	100	-	0.25	0.47	3.45
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.59	1.11	8.23
Memphis, TN-AR	Ozone	Maintenance	100	-	-28.65	-50.74	-1.25
Memphis, TN	CO	Maintenance	100	-	-28.90	-51.21	-4.78
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.09	0.18	1.30

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Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.03	0.23
Milwaukee, WI	SO _x	Maintenance	100	-	1.68	3.15	23.32
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.68	10.63	78.66
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-100.98	-179.01	-29.43
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	8.29	15.59	122.93
Missoula, MT	CO	Maintenance	100	-	-0.11	-0.17	2.28
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.17	2.21
Modesto, CA	CO	Maintenance	100	-	0.99	1.85	13.67
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.33	0.62	4.59
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.15
Morristown, NJ	CO	Maintenance	100	-	0.10	0.19	1.44
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.09	0.17	1.28
Muncie, IN	Ozone	Maintenance	100	-	0.37	0.69	5.11
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.03	0.20
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	0.09	0.67
Muskegon, MI	Ozone	Maintenance	100	-	0.40	0.75	5.70
Nashua, NH	CO	Maintenance	100	-	0.20	0.37	2.72
Nashville, TN	Ozone	Former Subpart 1	50	-	5.01	9.40	72.06
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.45	0.84	6.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.44	0.83	6.15
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.51	4.69	34.71
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.04	0.26
New York County, NY	PM ₁₀	Moderate	100	-	1.45	2.72	20.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-38.86	-66.93	254.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-44.24	-74.44	525.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-44.64	-75.19	520.29
Nogales, AZ	PM ₁₀	Moderate	100	-	0.13	0.24	1.80

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Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-67.53	-119.83	-33.81
Ogden, UT	CO	Maintenance	100	-	0.22	0.42	3.10
Ogden, UT	PM ₁₀	Moderate	100	-	0.22	0.42	3.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.11
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.07	0.13	0.93
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.34	0.64	4.74
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.17
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.46	0.87	6.40
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.46	0.87	6.44
Payson, AZ	PM ₁₀	Maintenance	100	-	0.06	0.12	0.86
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.16	0.31	4.19
Perth Amboy, NJ	CO	Maintenance	100	-	-27.14	-48.32	-35.53
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.24	2.33	17.22
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-221.46	-393.16	-139.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-215.17	-381.35	-48.01
Phoenix, AZ	CO	Maintenance	100	-	14.74	27.63	207.86
Phoenix, AZ	PM ₁₀	Serious	70	-	15.19	28.48	214.19
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	15.24	28.57	214.92
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.47
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Pittsburgh, PA	CO	Maintenance	100	-	0.06	0.12	1.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	6.01	11.28	87.90
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.46	10.26	80.27
Polk County, TN	SO _x	Maintenance	100	-	0.07	0.13	0.93
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.13
Portland, ME	Ozone	Maintenance	100	-	1.24	2.36	24.00

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Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	3.28	6.18	50.61
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.14	0.26	1.94
Poughkeepsie, NY	Ozone	Moderate	50	-	4.36	8.16	60.36
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	0.06	0.41
Providence (entire State), RI	Ozone	Moderate	50	-	2.44	4.64	42.49
Provo, UT	CO	Maintenance	100	-	0.52	0.97	7.20
Raleigh-Durham, NC	CO	Maintenance	100	-	4.04	7.57	57.49
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	5.55	10.41	78.45
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Reading, PA	Ozone	Maintenance	100	-	1.06	1.99	14.71
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.06	1.99	14.71
Reno, NV	CO	Maintenance	100	-	0.78	1.46	10.79
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.48	6.55	53.47
Rillito, AZ	PM ₁₀	Moderate	100	-	0.16	0.29	2.15
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.04	3.83	28.31
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.84	1.56	11.57
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.26	0.48	3.55
Rochester, NY	Ozone	Former Subpart 1	50	-	4.27	7.99	59.09
Rocky Mount, NC	Ozone	Maintenance	100	-	0.59	1.11	8.20
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.38	0.72	5.30
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.02	0.11
Sacramento County, CA	PM ₁₀	Moderate	100	-	4.77	8.94	66.11
Sacramento Metro, CA	Ozone	Severe	25	-	8.17	15.34	118.30
Sacramento, CA	CO	Maintenance	100	-	5.28	9.89	73.70
Salem, OR	CO	Maintenance	100	-	0.42	0.78	5.79
Salt Lake City, UT	CO	Maintenance	100	-	-12.44	-22.10	-9.29

Appendix B

Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.84	-17.22	26.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.28	6.15	45.48
San Antonio, TX	Ozone	Former Subpart 1	50	-	5.10	9.62	80.92
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.37	2.57	19.01
San Diego, CA	CO	Maintenance	100	-	13.10	24.54	183.42
San Diego, CA	Ozone	Former Subpart 1	50	-	13.12	24.59	183.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-315.32	-559.76	-194.97
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-312.60	-554.67	-157.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	7.49	14.68	191.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	7.55	14.79	191.93
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	7.49	14.68	191.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.11	0.20	1.49
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.13	3.99	29.55
Seattle-Tacoma, WA	CO	Maintenance	100	-	9.53	17.85	132.02
Sheboygan, WI	Ozone	Moderate	50	-	0.38	0.71	5.25
Sheridan, WY	PM ₁₀	Moderate	100	-	0.07	0.13	0.96
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.06	0.10	0.77
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.23	2.33	19.66
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.55	1.03	7.70
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.95	1.77	13.12
Spokane, WA	CO	Maintenance	100	-	0.94	1.76	12.98
Springfield (western MA), MA	Ozone	Moderate	50	-	2.56	4.83	39.01
Springfield, MA	CO	Maintenance	100	-	0.35	0.67	6.20
St. Louis, MO	CO	Maintenance	100	-	2.92	5.47	40.45
St. Louis, MO-IL	Ozone	Moderate	50	-	-179.73	-319.26	-138.66
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-179.79	-319.38	-139.52

Appendix B

**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.54	1.02	7.54
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.06	0.11	0.81
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.14	0.25	1.88
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.57	-11.68	-5.56
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.57	-11.68	-5.56
Stockton, CA	CO	Maintenance	100	-	1.48	2.78	20.54
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.64	3.06	22.66
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Terre Haute, IN	Ozone	Maintenance	100	-	0.42	0.78	5.80
Tioga County, PA	Ozone	Maintenance	100	-	0.18	0.34	2.49
Toledo, OH	Ozone	Maintenance	100	-	-111.03	-197.60	-136.32
Toms River, NJ	CO	Maintenance	100	-	0.32	0.59	4.39
Tooele County, UT	SO _x	Nonattainment	100	-	0.32	0.60	4.45
Trenton, NJ	CO	Maintenance	100	-	0.28	0.53	3.90
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
Tucson, AZ	CO	Maintenance	100	-	3.17	5.94	43.90
Utah County, UT	PM ₁₀	Moderate	100	-	1.55	2.90	21.42
Vancouver, WA	CO	Maintenance	100	-	0.99	1.86	13.73
Ventura County, CA	Ozone	Serious	50	-	2.36	4.46	36.70
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.04	0.32
Vigo County, IN	SO _x	Maintenance	100	-	0.42	0.78	5.80
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.18	0.34	2.49
Warren County, NJ	SO _x	Maintenance	100	-	0.11	0.21	1.58
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.04	0.53
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.68	1.27	9.39
Washington, DC-MD-VA	CO	Maintenance	100	-	4.99	9.35	69.13

Appendix B

**Table B.1-94
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt.2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	17.21	32.24	238.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	16.85	31.56	233.47
Washoe County, NV	PM ₁₀	Serious	70	-	0.78	1.46	10.79
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.18
Wayne County, IN	SO _x	Maintenance	100	-	0.23	0.43	3.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-28.30	-50.38	-37.38
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	0.06	0.43
Weirton, WV	SO _x	Maintenance	100	-	0.04	0.08	0.56
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.48	0.89	6.59
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.48	0.89	6.59
Winston-Salem, NC	CO	Maintenance	100	-	1.31	2.45	18.14
Worcester, MA	CO	Maintenance	100	-	0.69	1.30	9.61
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.30	0.56	4.11
Yakima, WA	CO	Maintenance	100	-	0.12	0.23	1.69
York, PA	Ozone	Maintenance	100	-	1.42	2.66	19.65
York, PA	PM _{2.5}	Nonattainment	100	-	1.10	2.07	15.28
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.03	3.81	28.17
Yuma, AZ	PM ₁₀	Moderate	100	-	0.59	1.11	8.20

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.02	0.20
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.02	0.21
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	9.72	6.42	62.85
Albuquerque, NM	CO	Maintenance	100	-	4.59	3.22	28.40
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.22	0.86	7.54
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	4.38	2.77	29.12
Altoona, PA	Ozone	Maintenance	100	-	0.74	0.52	4.59
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.59	1.11	9.83
Anchorage, AK	CO	Maintenance	100	-	1.19	0.84	7.37
Anthony, NM	PM ₁₀	Moderate	100	-	0.06	0.04	0.36
Armstrong County, PA	SO _x	Nonattainment	100	-	0.04	0.03	0.24
Aspen, CO	PM ₁₀	Maintenance	100	-	0.06	0.04	0.36
Atlanta, GA	Ozone	Moderate	50	-	54.65	37.82	341.87
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	54.67	37.84	342.01
Atlantic City, NJ	CO	Maintenance	100	-	0.39	0.27	2.41
Bakersfield, CA	CO	Maintenance	100	-	-6.96	-16.70	35.09
Baltimore, MD	CO	Maintenance	100	-	0.04	-0.00	0.51
Baltimore, MD	Ozone	Moderate	50	-	23.18	15.22	150.51
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	23.18	15.22	150.51
Baton Rouge, LA	Ozone	Moderate	50	-	-308.55	-565.38	397.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-875.47	-1,589.79	1,031.80
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	1.26	0.85	7.98
Benzie County, MI	Ozone	Maintenance	100	-	0.20	0.14	1.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.19	0.83	7.36
Billings, MT	CO	Maintenance	100	-	-103.95	-189.00	124.07
Birmingham, AL	Ozone	Maintenance	100	-	-2.29	-12.67	59.00

Appendix B

Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.27	-12.66	59.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	2.24	1.11	16.98
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	2.24	1.11	16.98
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.15	0.10	0.90
Boston, MA	CO	Maintenance	100	-	6.57	4.61	40.69
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	40.15	28.16	248.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	5.26	3.69	32.54
Boyd County (part), KY	SO _x	Maintenance	100	-	0.07	0.05	0.44
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	8.80	6.18	54.48
Burlington, NJ	CO	Maintenance	100	-	0.05	0.04	0.33
Butte, MT	PM ₁₀	Moderate	100	-	0.14	0.10	0.90
Canon City, CO	PM ₁₀	Maintenance	100	-	0.17	0.12	1.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-33.33	-62.83	54.53
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-33.33	-62.83	54.53
Case County, MI	Ozone	Maintenance	100	-	0.33	0.23	2.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.00	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.04	0.03	0.27
Charleston, WV	Ozone	Maintenance	100	-	1.99	1.40	12.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.99	1.40	12.32
Charlotte, NC	CO	Maintenance	100	-	6.11	4.29	37.81
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	13.48	9.46	83.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	4.11	2.82	25.85
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	3.77	2.59	23.76
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-522.31	-1,009.36	1,018.41
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-520.39	-1,008.02	1,030.29
Chico, CA	CO	Maintenance	100	-	1.02	0.72	6.32
Chico, CA	Ozone	Former Subpart 1	50	-	2.24	1.57	13.88
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	15.49	10.87	95.88

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	15.01	10.54	92.92
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.09	0.05	0.60
Clark County, NV	PM ₁₀	Serious	70	-	13.08	9.18	80.95
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	2.12	1.49	13.13
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.37	0.96	8.50
Cleveland, OH	CO	Maintenance	100	-	6.64	4.66	41.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	19.52	13.70	120.82
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	17.92	12.58	110.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	5.81	4.08	35.97
Colbert County, AL	SO _x	Maintenance	100	-	0.42	0.30	2.60
Colorado Springs, CO	CO	Maintenance	100	-	4.05	1.81	31.91
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.05	0.03	0.29
Columbia, SC	Ozone	Former Subpart 1	50	-	5.11	3.59	31.62
Columbus, OH	Ozone	Maintenance	100	-	13.93	9.78	86.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	12.95	9.09	80.19
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.03	0.17
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	6.64	4.66	41.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	5.52	3.87	34.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	57.62	39.04	366.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	6.22	4.36	38.49
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	5.48	3.84	33.91
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-39.72	-99.60	228.55
Denver-Boulder, CO	CO	Maintenance	100	-	-40.81	-100.37	221.80
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-34.61	-96.05	260.39
Detroit, MI	CO	Maintenance	100	-	-55.14	-112.45	146.43
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-49.81	-130.27	322.13
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-50.48	-130.74	317.96

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.30	0.21	1.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.27	0.19	1.66
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.22	0.15	1.34
Duluth, MN	CO	Maintenance	100	-	0.60	0.42	3.69
Eagle River, AK	PM ₁₀	Moderate	100	-	0.07	0.05	0.46
East Chicago, IN	CO	Maintenance	100	-	0.01	0.00	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-384.71	-698.85	455.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-36.03	-69.64	70.30
El Paso, TX	CO	Maintenance	100	-	0.23	0.15	1.52
Erie, PA	Ozone	Maintenance	100	-	1.70	1.20	10.54
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	1.85	1.30	11.46
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.77	1.24	10.98
Evansville, IN	Ozone	Maintenance	100	-	1.95	1.37	12.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.49	1.74	15.39
Fairbanks, AK	CO	Maintenance	100	-	0.15	0.10	0.91
Fayetteville, NC	Ozone	Former Subpart 1	50	-	2.30	1.62	14.26
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.04	0.38
Flint, MI	Ozone	Maintenance	100	-	3.94	2.76	24.38
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	1.51	1.06	9.33
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	2.86	2.00	17.68
Franklin County, PA	Ozone	Maintenance	100	-	1.22	0.85	7.54
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.00	0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.03	0.72	6.35
Fredericksburg, VA	Ozone	Maintenance	100	-	3.58	2.51	22.16

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.15	0.11	0.95
Fresno, CA	CO	Maintenance	100	-	4.70	3.03	30.84
Grand Rapids, MI	Ozone	Maintenance	100	-	6.61	4.64	40.93
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.29	0.19	1.82
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.01	0.12
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.28	0.20	1.74
Great Falls, MT	CO	Maintenance	100	-	0.13	0.09	0.83
Greater Connecticut, CT	Ozone	Moderate	50	-	12.23	8.30	77.59
Greeley, CO	CO	Maintenance	100	-	1.01	0.71	6.27
Green Bay, WI	SO _x	Maintenance	100	-	0.98	0.69	6.04
Greene County, IN	Ozone	Maintenance	100	-	0.38	0.27	2.34
Greene County, PA	Ozone	Maintenance	100	-	0.34	0.24	2.11
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	12.17	8.17	77.78
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	5.79	3.69	38.28
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	6.39	4.09	42.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.17	0.12	1.07
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.90	0.64	5.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	6.76	4.57	43.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	6.22	4.19	39.73
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	7.72	5.14	49.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.09	0.06	0.53
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.34	0.24	2.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.04	0.03	0.24
Hazelwood, PA	SO _x	Maintenance	100	-	0.28	0.17	1.94
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.32	0.92	8.15
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	2.21	1.55	13.69
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.00	0.11

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-960.93	-1,791.88	1,442.79
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.01	0.13
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-210.10	-383.22	258.77
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-211.17	-383.97	252.16
Huron County, MI	Ozone	Maintenance	100	-	0.21	0.15	1.31
Imperial County, CA	Ozone	Moderate	50	-	1.89	1.33	11.72
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.85	1.30	11.48
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.25	0.18	1.55
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.00	0.04
Indianapolis, IN	Ozone	Maintenance	100	-	16.16	11.34	100.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	12.84	9.01	79.48
Jackson County, IN	Ozone	Maintenance	100	-	0.60	0.42	3.74
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.18	0.83	7.31
Jefferson County, NY	Ozone	Moderate	50	-	0.95	0.67	5.89
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.05	0.04	0.33
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.63	1.14	10.06
Johnstown, PA	Ozone	Maintenance	100	-	0.67	0.47	4.17
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.74	0.52	4.59
Juneau, AK	PM ₁₀	Moderate	100	-	0.10	0.07	0.60
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	3.85	2.70	23.82
Kalispell, MT	PM ₁₀	Moderate	100	-	0.25	0.17	1.54
Kansas City, MO-KS	Ozone	Maintenance	100	-	12.37	7.45	84.75
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.17	0.82	7.22
Kent, WA	PM ₁₀	Maintenance	100	-	0.21	0.15	1.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.64	0.45	3.95
Kewaunee County, WI	Ozone	Maintenance	100	-	0.19	0.13	1.15
King County, WA	PM ₁₀	Maintenance	100	-	0.08	0.06	0.52
Klamath Falls, OR	CO	Maintenance	100	-	0.37	0.26	2.30

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.37	0.26	2.30
Knoxville, TN	Ozone	Former Subpart 1	50	-	9.92	6.96	61.42
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	7.57	5.31	46.84
La Porte County, IN	SO _x	Maintenance	100	-	0.25	0.18	1.56
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.12	0.08	0.72
Lake County, IN	SO _x	Maintenance	100	-	2.06	1.25	14.07
Lake County, OH	SO _x	Maintenance	100	-	0.27	0.19	1.67
Lake County, OR	PM ₁₀	Maintenance	100	-	0.04	0.03	0.28
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.28	0.20	1.76
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.62	0.44	3.85
Lake Tahoe, NV	CO	Maintenance	100	-	0.16	0.11	0.97
Lamar, CO	PM ₁₀	Maintenance	100	-	0.07	0.05	0.41
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Lancaster, PA	Ozone	Maintenance	100	-	3.42	2.24	22.28
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	3.42	2.24	22.28
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	3.71	2.60	22.95
LaPorte, IN	Ozone	Maintenance	100	-	0.70	0.49	4.35
Las Vegas, NV	CO	Serious	100	-	13.08	9.18	80.95
Las Vegas, NV	Ozone	Former Subpart 1	50	-	13.24	9.29	81.95
Lauderdale County, AL	SO _x	Maintenance	100	-	0.65	0.46	4.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.08
Libby, MT	PM ₁₀	Moderate	100	-	0.03	0.02	0.19
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.04	0.03	0.26
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.05	0.60
Lima, OH	Ozone	Maintenance	100	-	-183.43	-333.31	217.59
Longmont, CO	CO	Maintenance	100	-	0.79	0.55	4.87
Lorain County, OH	SO _x	Maintenance	100	-	0.36	0.25	2.21

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**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-128.91	-373.01	1,070.93
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-128.91	-373.01	1,070.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-128.91	-373.01	1,070.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-128.91	-373.01	1,070.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-128.92	-373.02	1,070.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	5.74	4.03	35.55
Louisville, KY-IN	Ozone	Maintenance	100	-	8.59	6.03	53.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	8.23	5.78	50.96
Lowell, MA	CO	Maintenance	100	-	0.92	0.65	5.71
Lucas County, OH	SO _x	Maintenance	100	-	2.18	1.53	13.50
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.45	0.31	2.82
Macon, GA	Ozone	Maintenance	100	-	1.51	1.06	9.35
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.49	1.05	9.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.01	0.13
Madison, WI	SO _x	Maintenance	100	-	2.09	1.47	12.94
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.09	0.07	0.59
Manchester, NH	CO	Maintenance	100	-	0.56	0.39	3.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.76	0.53	4.70
Marion County, IN	SO _x	Maintenance	100	-	2.31	1.62	14.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.02	0.72	6.33
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.49	1.75	15.42
Mason County, MI	Ozone	Maintenance	100	-	0.21	0.15	1.29
Medford, OR	CO	Maintenance	100	-	0.68	0.48	4.19
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.62	1.14	10.05
Memphis, TN-AR	Ozone	Maintenance	100	-	-42.80	-85.74	103.52
Memphis, TN	CO	Maintenance	100	-	-43.36	-86.13	100.04
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.25	0.18	1.56

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**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.02	0.23
Milwaukee, WI	SO _x	Maintenance	100	-	3.93	2.76	24.32
Milwaukee-Racine, WI	Ozone	Moderate	50	-	14.03	9.85	86.84
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-150.46	-298.41	343.94
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	21.51	13.97	140.70
Missoula, MT	CO	Maintenance	100	-	0.02	-0.51	3.59
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	-0.50	3.48
Modesto, CA	CO	Maintenance	100	-	2.74	1.92	16.96
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.93	0.65	5.75
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.02	0.15
Morristown, NJ	CO	Maintenance	100	-	0.28	0.20	1.76
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.21	0.15	1.31
Muncie, IN	Ozone	Maintenance	100	-	0.81	0.57	5.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.04	0.03	0.23
Muscatine County, IA	SO _x	Maintenance	100	-	0.12	0.08	0.74
Muskegon, MI	Ozone	Maintenance	100	-	0.99	0.67	6.31
Nashua, NH	CO	Maintenance	100	-	0.45	0.32	2.78
Nashville, TN	Ozone	Former Subpart 1	50	-	13.00	8.74	82.98
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.36	0.95	8.39
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.17	0.82	7.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	5.92	4.15	36.63
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.04	0.03	0.27
New York County, NY	PM ₁₀	Moderate	100	-	3.30	2.32	20.46
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-40.79	-140.29	486.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-28.97	-180.63	881.07
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-30.00	-181.35	874.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.33	0.23	2.04

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**Table B.1-95
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Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-102.22	-198.70	206.98
Ogden, UT	CO	Maintenance	100	-	0.53	0.37	3.29
Ogden, UT	PM ₁₀	Moderate	100	-	0.53	0.37	3.29
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.02	0.01	0.10
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.15	0.11	0.94
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.91	0.64	5.62
Owens Valley, CA	PM ₁₀	Serious	70	-	0.04	0.02	0.22
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.08	0.76	6.70
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.09	0.76	6.75
Payson, AZ	PM ₁₀	Maintenance	100	-	0.16	0.11	1.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.49	0.06	4.86
Perth Amboy, NJ	CO	Maintenance	100	-	-42.49	-77.77	54.09
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.79	1.95	17.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-337.41	-649.13	638.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-321.73	-638.73	739.71
Phoenix, AZ	CO	Maintenance	100	-	43.81	30.23	274.69
Phoenix, AZ	PM ₁₀	Serious	70	-	45.02	31.08	282.22
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	45.15	31.16	283.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.08	0.05	0.48
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Pittsburgh, PA	CO	Maintenance	100	-	0.19	0.11	1.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	14.42	9.46	93.66
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	13.13	8.56	85.58
Polk County, TN	SO _x	Maintenance	100	-	0.16	0.11	0.99
Polson, MT	PM ₁₀	Moderate	100	-	0.03	0.02	0.16
Portland, ME	Ozone	Maintenance	100	-	3.51	1.50	28.15

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**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	8.29	5.09	56.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.33	0.23	2.04
Poughkeepsie, NY	Ozone	Moderate	50	-	11.61	8.15	71.89
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.07	0.05	0.41
Providence (entire State), RI	Ozone	Moderate	50	-	6.75	3.53	49.83
Provo, UT	CO	Maintenance	100	-	1.39	0.97	8.59
Raleigh-Durham, NC	CO	Maintenance	100	-	10.70	7.29	67.69
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	14.61	10.04	91.91
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.00	0.09
Reading, PA	Ozone	Maintenance	100	-	2.56	1.80	15.87
Reading, PA	PM _{2.5}	Nonattainment	100	-	2.56	1.80	15.87
Reno, NV	CO	Maintenance	100	-	1.91	1.34	11.82
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.06
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	8.83	5.45	59.58
Rillito, AZ	PM ₁₀	Moderate	100	-	0.43	0.30	2.66
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	5.81	4.08	35.97
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.97	1.38	12.20
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.65	0.45	4.00
Rochester, NY	Ozone	Former Subpart 1	50	-	10.32	7.24	63.89
Rocky Mount, NC	Ozone	Maintenance	100	-	1.39	0.98	8.60
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.92	0.64	5.68
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.01	0.12
Sacramento County, CA	PM ₁₀	Moderate	100	-	13.27	9.32	82.17
Sacramento Metro, CA	Ozone	Severe	25	-	23.70	15.92	151.47
Sacramento, CA	CO	Maintenance	100	-	14.84	10.33	92.46
Salem, OR	CO	Maintenance	100	-	1.00	0.70	6.17
Salt Lake City, UT	CO	Maintenance	100	-	-18.97	-36.27	34.46

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Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-12.44	-31.69	74.89
Salt Lake County, UT	SO _x	Nonattainment	100	-	8.24	5.79	51.04
San Antonio, TX	Ozone	Former Subpart 1	50	-	13.78	8.22	94.94
San Bernardino County, CA	PM ₁₀	Moderate	100	-	3.57	2.50	22.07
San Diego, CA	CO	Maintenance	100	-	35.83	24.87	223.65
San Diego, CA	Ozone	Former Subpart 1	50	-	35.90	24.92	224.08
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-475.81	-921.52	940.98
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-469.02	-916.74	983.08
San Joaquin Valley, CA	Ozone	Extreme	10	-	28.92	8.01	260.30
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	29.04	8.09	261.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	28.92	8.01	260.30
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.29	0.20	1.78
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.00	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	5.16	3.62	31.95
Seattle-Tacoma, WA	CO	Maintenance	100	-	24.43	17.15	151.24
Sheboygan, WI	Ozone	Moderate	50	-	0.95	0.67	5.88
Sheridan, WY	PM ₁₀	Moderate	100	-	0.17	0.12	1.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.14	0.10	0.87
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	3.16	1.85	21.97
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	1.14	0.79	7.15
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.42	1.70	14.96
Spokane, WA	CO	Maintenance	100	-	2.39	1.68	14.79
Springfield (western MA), MA	Ozone	Moderate	50	-	6.44	4.03	43.14
Springfield, MA	CO	Maintenance	100	-	0.97	0.48	7.31
St. Louis, MO	CO	Maintenance	100	-	6.34	4.45	39.23
St. Louis, MO-IL	Ozone	Moderate	50	-	-276.06	-524.79	480.72
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-276.21	-524.89	479.81

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Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.40	0.98	8.66
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.17	0.12	1.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.30	0.21	1.88
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-10.16	-19.17	16.73
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-10.16	-19.17	16.73
Stockton, CA	CO	Maintenance	100	-	4.14	2.90	25.62
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	3.84	2.70	23.79
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
Terre Haute, IN	Ozone	Maintenance	100	-	0.93	0.65	5.75
Tioga County, PA	Ozone	Maintenance	100	-	0.41	0.29	2.54
Toledo, OH	Ozone	Maintenance	100	-	-173.67	-319.26	230.38
Toms River, NJ	CO	Maintenance	100	-	0.85	0.60	5.26
Tooele County, UT	SO _x	Nonattainment	100	-	0.81	0.57	5.01
Trenton, NJ	CO	Maintenance	100	-	0.70	0.49	4.31
Trona, CA	PM ₁₀	Moderate	100	-	0.03	0.02	0.17
Tucson, AZ	CO	Maintenance	100	-	8.26	5.79	51.11
Utah County, UT	PM ₁₀	Moderate	100	-	4.03	2.83	24.94
Vancouver, WA	CO	Maintenance	100	-	2.68	1.88	16.60
Ventura County, CA	Ozone	Serious	50	-	6.85	4.25	46.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.05	0.04	0.32
Vigo County, IN	SO _x	Maintenance	100	-	0.93	0.65	5.75
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.43	0.30	2.68
Warren County, NJ	SO _x	Maintenance	100	-	0.28	0.20	1.75
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.13	0.76
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.63	1.14	10.07
Washington, DC-MD-VA	CO	Maintenance	100	-	12.41	8.71	76.82

Appendix B

**Table B.1-95
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	44.41	31.18	274.96
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	43.43	30.49	268.87
Washoe County, NV	PM ₁₀	Serious	70	-	1.91	1.34	11.82
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.03	0.02	0.19
Wayne County, IN	SO _x	Maintenance	100	-	0.50	0.35	3.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	-44.76	-81.84	56.44
Weirton, WV	PM ₁₀	Maintenance	100	-	0.06	0.04	0.39
Weirton, WV	SO _x	Maintenance	100	-	0.08	0.06	0.52
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.05	0.73	6.48
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.05	0.73	6.48
Winston-Salem, NC	CO	Maintenance	100	-	3.23	2.27	20.00
Worcester, MA	CO	Maintenance	100	-	1.81	1.27	11.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.74	0.52	4.58
Yakima, WA	CO	Maintenance	100	-	0.33	0.23	2.06
York, PA	Ozone	Maintenance	100	-	3.58	2.51	22.17
York, PA	PM _{2.5}	Nonattainment	100	-	2.78	1.95	17.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	4.58	3.22	28.38
Yuma, AZ	PM ₁₀	Moderate	100	-	1.58	1.11	9.77

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.03	0.22
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.03	0.23
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-3.39	-8.07	70.07
Albuquerque, NM	CO	Maintenance	100	-	-1.54	-3.54	30.89
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.43	-1.00	8.71
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.55	-3.75	32.54
Altoona, PA	Ozone	Maintenance	100	-	-0.23	-0.54	4.68
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.62	-1.43	12.43
Anchorage, AK	CO	Maintenance	100	-	-0.42	-0.96	8.37
Anthony, NM	PM ₁₀	Moderate	100	-	-0.02	-0.04	0.38
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.03	0.26
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.05	0.41
Atlanta, GA	Ozone	Moderate	50	-	-19.33	-44.87	390.73
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-19.33	-44.89	390.86
Atlantic City, NJ	CO	Maintenance	100	-	-0.13	-0.29	2.54
Bakersfield, CA	CO	Maintenance	100	-	-0.30	-8.58	67.18
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.07	0.63
Baltimore, MD	Ozone	Moderate	50	-	-8.26	-19.72	171.21
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-8.26	-19.72	171.21
Baton Rouge, LA	Ozone	Moderate	50	-	27.69	-168.93	1,248.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	81.78	-462.33	3,402.71
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.39	-0.93	8.06
Benzie County, MI	Ozone	Maintenance	100	-	-0.07	-0.17	1.50
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.41	-0.95	8.29
Billings, MT	CO	Maintenance	100	-	9.65	-55.18	406.37
Birmingham, AL	Ozone	Maintenance	100	-	-1.57	-11.00	88.77

Appendix B

Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.58	-11.02	88.96
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.90	-2.35	20.19
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.90	-2.35	20.19
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.05	-0.13	1.09
Boston, MA	CO	Maintenance	100	-	-2.19	-5.06	44.07
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-13.60	-31.37	273.35
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.82	-4.19	36.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.05	0.46
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.90	-6.68	58.25
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.03	0.24
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.10	0.87
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.14	1.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	2.64	-20.23	150.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	2.64	-20.23	150.96
Case County, MI	Ozone	Maintenance	100	-	-0.11	-0.25	2.18
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.03	0.26
Charleston, WV	Ozone	Maintenance	100	-	-0.62	-1.43	12.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.62	-1.43	12.46
Charlotte, NC	CO	Maintenance	100	-	-2.16	-4.97	43.34
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-4.72	-10.87	94.72
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.37	-3.19	27.77
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.27	-2.96	25.74
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	35.05	-348.10	2,620.84
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	34.39	-349.62	2,634.04
Chico, CA	CO	Maintenance	100	-	-0.40	-0.92	8.03
Chico, CA	Ozone	Former Subpart 1	50	-	-0.84	-1.93	16.82
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-5.24	-12.07	105.18

Appendix B

Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-5.07	-11.68	101.78
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.07	0.57
Clark County, NV	PM ₁₀	Serious	70	-	-4.79	-11.04	96.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.74	-1.71	14.88
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.45	-1.04	9.07
Cleveland, OH	CO	Maintenance	100	-	-2.04	-4.70	40.93
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-6.40	-14.74	128.45
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-5.85	-13.48	117.46
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.19	-5.05	44.04
Colbert County, AL	SO _x	Maintenance	100	-	-0.13	-0.30	2.58
Colorado Springs, CO	CO	Maintenance	100	-	-1.70	-4.57	39.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	0.34
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.74	-4.00	34.87
Columbus, OH	Ozone	Maintenance	100	-	-4.92	-11.34	98.84
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-4.58	-10.56	92.05
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.03	0.21
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-2.04	-4.70	40.93
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.76	-4.05	35.29
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-21.00	-49.25	428.39
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-2.00	-4.61	40.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.76	-4.05	35.31
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-2.77	-54.04	425.08
Denver-Boulder, CO	CO	Maintenance	100	-	-2.38	-53.14	417.23
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.59	-58.27	461.90
Detroit, MI	CO	Maintenance	100	-	3.62	-45.11	341.66
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.01	-72.85	573.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-3.78	-72.33	569.08

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.10	-0.24	2.11
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.09	-0.20	1.74
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.07	-0.16	1.44
Duluth, MN	CO	Maintenance	100	-	-0.19	-0.44	3.82
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.03	-0.06	0.54
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	35.89	-203.44	1,497.52
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	2.42	-24.01	180.79
El Paso, TX	CO	Maintenance	100	-	-0.08	-0.19	1.65
Erie, PA	Ozone	Maintenance	100	-	-0.55	-1.27	11.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	0.10
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.64	-1.48	12.86
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.62	-1.42	12.36
Evansville, IN	Ozone	Maintenance	100	-	-0.65	-1.49	13.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.82	-1.88	16.41
Fairbanks, AK	CO	Maintenance	100	-	-0.05	-0.12	1.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.78	-1.79	15.57
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	0.44
Flint, MI	Ozone	Maintenance	100	-	-1.29	-2.97	25.92
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Fort Collins, CO	CO	Maintenance	100	-	-0.54	-1.25	10.91
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.96	-2.22	19.33
Franklin County, PA	Ozone	Maintenance	100	-	-0.42	-0.96	8.40
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.35	-0.80	6.97
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.30	-3.00	26.17

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.06	-0.14	1.21
Fresno, CA	CO	Maintenance	100	-	-1.72	-4.13	35.84
Grand Rapids, MI	Ozone	Maintenance	100	-	-2.30	-5.31	46.27
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.09	-0.21	1.81
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	0.11
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.10	-0.24	2.06
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.09	0.80
Greater Connecticut, CT	Ozone	Moderate	50	-	-4.08	-9.57	83.26
Greeley, CO	CO	Maintenance	100	-	-0.36	-0.82	7.13
Green Bay, WI	SO _x	Maintenance	100	-	-0.33	-0.76	6.63
Greene County, IN	Ozone	Maintenance	100	-	-0.13	-0.29	2.55
Greene County, PA	Ozone	Maintenance	100	-	-0.11	-0.26	2.23
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-4.13	-9.74	84.65
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.99	-4.81	41.70
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-2.17	-5.24	45.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.06	-0.13	1.15
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.30	-0.70	6.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-2.39	-5.62	48.83
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-2.20	-5.18	45.04
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.56	-6.08	52.80
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.03	-0.07	0.62
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.12	-0.28	2.48
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.03	0.26
Hazelwood, PA	SO _x	Maintenance	100	-	-0.10	-0.26	2.24
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.42	-0.97	8.46
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.72	-1.66	14.49
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.02	0.13

Appendix B

Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	79.02	-563.41	4,192.43
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	0.15
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	19.29	-112.86	832.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	19.64	-112.04	825.02
Huron County, MI	Ozone	Maintenance	100	-	-0.07	-0.16	1.37
Imperial County, CA	Ozone	Moderate	50	-	-0.69	-1.59	13.86
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.68	-1.56	13.58
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.08	-0.19	1.62
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	0.04
Indianapolis, IN	Ozone	Maintenance	100	-	-5.59	-12.87	112.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-4.45	-10.24	89.28
Jackson County, IN	Ozone	Maintenance	100	-	-0.20	-0.46	3.99
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.39	-0.90	7.81
Jefferson County, NY	Ozone	Moderate	50	-	-0.32	-0.73	6.35
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.03	0.30
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.53	-1.22	10.60
Johnstown, PA	Ozone	Maintenance	100	-	-0.19	-0.45	3.88
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.21	-0.49	4.27
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.08	0.74
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.27	-2.92	25.47
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.09	-0.21	1.80
Kansas City, MO-KS	Ozone	Maintenance	100	-	-4.57	-11.33	97.97
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.41	-0.94	8.16
Kent, WA	PM ₁₀	Maintenance	100	-	-0.08	-0.18	1.57
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.21	-0.49	4.23
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.06	-0.14	1.21
King County, WA	PM ₁₀	Maintenance	100	-	-0.03	-0.07	0.60
Klamath Falls, OR	CO	Maintenance	100	-	-0.12	-0.28	2.43

Appendix B

Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.12	-0.28	2.43
Knoxville, TN	Ozone	Former Subpart 1	50	-	-3.52	-8.12	70.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-2.66	-6.12	53.37
La Porte County, IN	SO _x	Maintenance	100	-	-0.08	-0.18	1.59
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.04	-0.09	0.78
Lake County, IN	SO _x	Maintenance	100	-	-0.70	-1.73	14.94
Lake County, OH	SO _x	Maintenance	100	-	-0.09	-0.20	1.78
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	0.29
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.26	2.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.25	-0.59	5.11
Lake Tahoe, NV	CO	Maintenance	100	-	-0.05	-0.12	1.03
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.05	0.44
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	0.06
Lancaster, PA	Ozone	Maintenance	100	-	-1.20	-2.88	24.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.20	-2.88	24.98
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	0.06
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.24	-2.86	24.96
LaPorte, IN	Ozone	Maintenance	100	-	-0.22	-0.51	4.42
Las Vegas, NV	CO	Serious	100	-	-4.79	-11.04	96.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-4.84	-11.16	97.25
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.21	-0.48	4.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	0.09
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	0.20
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	0.26
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.07	0.57
Lima, OH	Ozone	Maintenance	100	-	17.09	-97.11	714.93
Longmont, CO	CO	Maintenance	100	-	-0.29	-0.67	5.81
Lorain County, OH	SO _x	Maintenance	100	-	-0.12	-0.28	2.42

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-20.12	-234.89	1,865.61
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-20.12	-234.89	1,865.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-20.12	-234.89	1,865.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-20.12	-234.89	1,865.61
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-20.12	-234.89	1,865.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.03	-4.69	40.86
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.82	-6.51	56.71
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.69	-6.19	53.92
Lowell, MA	CO	Maintenance	100	-	-0.33	-0.75	6.56
Lucas County, OH	SO _x	Maintenance	100	-	-0.69	-1.59	13.83
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.33	2.91
Macon, GA	Ozone	Maintenance	100	-	-0.47	-1.09	9.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.47	-1.07	9.36
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	0.13
Madison, WI	SO _x	Maintenance	100	-	-0.76	-1.75	15.22
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.09	0.80
Manchester, NH	CO	Maintenance	100	-	-0.17	-0.39	3.38
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.25	-0.57	4.94
Marion County, IN	SO _x	Maintenance	100	-	-0.74	-1.70	14.80
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.39	-0.89	7.74
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.84	-1.93	16.84
Mason County, MI	Ozone	Maintenance	100	-	-0.07	-0.16	1.42
Medford, OR	CO	Maintenance	100	-	-0.25	-0.57	4.99
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.60	-1.38	12.04
Memphis, TN-AR	Ozone	Maintenance	100	-	2.37	-31.72	240.62
Memphis, TN	CO	Maintenance	100	-	2.54	-31.32	237.19
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.09	-0.21	1.83

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.03	0.24
Milwaukee, WI	SO _x	Maintenance	100	-	-1.28	-2.94	25.61
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-4.76	-10.96	95.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	8.35	-109.40	829.60
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-7.68	-18.44	160.01
Missoula, MT	CO	Maintenance	100	-	-0.13	-0.62	5.09
Missoula, MT	PM ₁₀	Moderate	100	-	-0.12	-0.60	4.92
Modesto, CA	CO	Maintenance	100	-	-1.01	-2.32	20.23
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.35	-0.80	7.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	0.10
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	0.16
Morristown, NJ	CO	Maintenance	100	-	-0.11	-0.25	2.14
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.07	-0.16	1.35
Muncie, IN	Ozone	Maintenance	100	-	-0.24	-0.56	4.91
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.04	0.31
Muscatine County, IA	SO _x	Maintenance	100	-	-0.04	-0.10	0.83
Muskegon, MI	Ozone	Maintenance	100	-	-0.34	-0.80	6.98
Nashua, NH	CO	Maintenance	100	-	-0.14	-0.32	2.76
Nashville, TN	Ozone	Former Subpart 1	50	-	-4.62	-10.89	94.65
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.53	-1.22	10.65
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.43	-0.99	8.65
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.93	-4.44	38.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.03	0.29
New York County, NY	PM ₁₀	Moderate	100	-	-1.04	-2.39	20.82
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-10.28	-98.17	783.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-25.08	-164.73	1,332.68
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-24.73	-163.91	1,325.51
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.11	-0.26	2.28

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	6.73	-69.19	521.45
Ogden, UT	CO	Maintenance	100	-	-0.17	-0.40	3.48
Ogden, UT	PM ₁₀	Moderate	100	-	-0.17	-0.40	3.49
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.11	0.92
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.33	-0.75	6.53
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.04	0.31
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.35	-0.81	7.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.35	-0.81	7.10
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.06	-0.13	1.14
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	0.02
Peoria, IL	SO _x	Maintenance	100	-	-0.21	-0.67	5.68
Perth Amboy, NJ	CO	Maintenance	100	-	3.80	-23.23	171.65
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.86	-1.99	17.35
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	23.74	-220.32	1,655.30
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	18.33	-233.16	1,766.89
Phoenix, AZ	CO	Maintenance	100	-	-17.06	-39.63	345.04
Phoenix, AZ	PM ₁₀	Serious	70	-	-17.50	-40.63	353.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-17.54	-40.73	354.65
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.05	0.48
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	0.04
Pittsburgh, PA	CO	Maintenance	100	-	-0.08	-0.21	1.79
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-4.82	-11.54	100.19
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-4.40	-10.57	91.68
Polk County, TN	SO _x	Maintenance	100	-	-0.05	-0.12	1.05
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	0.19
Portland, ME	Ozone	Maintenance	100	-	-1.39	-3.83	32.80

Appendix B

Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.92	-7.20	62.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.11	-0.25	2.15
Poughkeepsie, NY	Ozone	Moderate	50	-	-4.19	-9.64	84.06
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.05	0.42
Providence (entire State), RI	Ozone	Moderate	50	-	-2.58	-6.77	58.19
Provo, UT	CO	Maintenance	100	-	-0.50	-1.15	10.04
Raleigh-Durham, NC	CO	Maintenance	100	-	-3.86	-9.02	78.48
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-5.24	-12.19	106.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	0.10
Reading, PA	Ozone	Maintenance	100	-	-0.85	-1.96	17.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.85	-1.96	17.11
Reno, NV	CO	Maintenance	100	-	-0.64	-1.48	12.91
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-3.12	-7.66	66.27
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.37	3.21
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.19	-5.05	44.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.64	-1.48	12.87
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.22	-0.51	4.46
Rochester, NY	Ozone	Former Subpart 1	50	-	-3.44	-7.92	69.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.45	-1.04	9.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.30	-0.70	6.08
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	0.07
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	0.12
Sacramento County, CA	PM ₁₀	Moderate	100	-	-4.93	-11.37	99.07
Sacramento Metro, CA	Ozone	Severe	25	-	-9.10	-21.41	186.14
Sacramento, CA	CO	Maintenance	100	-	-5.55	-12.83	111.78
Salem, OR	CO	Maintenance	100	-	-0.33	-0.75	6.57
Salt Lake City, UT	CO	Maintenance	100	-	1.36	-12.20	91.55

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.89	-17.36	136.57
Salt Lake County, UT	SO _x	Nonattainment	100	-	-2.83	-6.53	56.93
San Antonio, TX	Ozone	Former Subpart 1	50	-	-5.13	-12.78	110.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.24	-2.85	24.83
San Diego, CA	CO	Maintenance	100	-	-13.18	-30.55	266.11
San Diego, CA	Ozone	Former Subpart 1	50	-	-13.21	-30.61	266.64
San Francisco Bay Area, CA	Ozone	Marginal	50	-	30.88	-320.90	2,419.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	28.57	-326.21	2,465.52
San Joaquin Valley, CA	Ozone	Extreme	10	-	-13.72	-39.80	338.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-13.76	-39.87	339.62
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-13.72	-39.80	338.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.10	-0.24	2.09
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.72	-3.96	34.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-8.54	-19.67	171.43
Sheboygan, WI	Ozone	Moderate	50	-	-0.33	-0.75	6.55
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.05	-0.12	1.09
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-0.05	-0.11	0.97
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.13	-2.85	24.59
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.31	-0.72	6.26
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.84	-1.94	16.88
Spokane, WA	CO	Maintenance	100	-	-0.83	-1.91	16.68
Springfield (western MA), MA	Ozone	Moderate	50	-	-2.25	-5.52	47.77
Springfield, MA	CO	Maintenance	100	-	-0.39	-1.03	8.84
St. Louis, MO	CO	Maintenance	100	-	-1.90	-4.38	38.15
St. Louis, MO-IL	Ozone	Moderate	50	-	20.94	-172.62	1,291.77
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	20.98	-172.51	1,290.82

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.49	-1.13	9.85
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.15	1.29
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.09	-0.22	1.88
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.81	-6.16	45.97
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.81	-6.16	45.97
Stockton, CA	CO	Maintenance	100	-	-1.56	-3.61	31.42
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-1.25	-2.87	25.01
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	0.12
Terre Haute, IN	Ozone	Maintenance	100	-	-0.28	-0.66	5.71
Tioga County, PA	Ozone	Maintenance	100	-	-0.13	-0.30	2.60
Toledo, OH	Ozone	Maintenance	100	-	15.42	-96.15	711.16
Toms River, NJ	CO	Maintenance	100	-	-0.31	-0.72	6.28
Tooele County, UT	SO _x	Nonattainment	100	-	-0.28	-0.64	5.60
Trenton, NJ	CO	Maintenance	100	-	-0.24	-0.55	4.78
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	0.21
Tucson, AZ	CO	Maintenance	100	-	-2.92	-6.74	58.72
Utah County, UT	PM ₁₀	Moderate	100	-	-1.43	-3.29	28.67
Vancouver, WA	CO	Maintenance	100	-	-0.97	-2.24	19.55
Ventura County, CA	Ozone	Serious	50	-	-2.66	-6.49	56.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.02	-0.04	0.32
Vigo County, IN	SO _x	Maintenance	100	-	-0.28	-0.66	5.71
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.14	-0.33	2.89
Warren County, NJ	SO _x	Maintenance	100	-	-0.10	-0.22	1.94
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.13	1.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.54	-1.24	10.79
Washington, DC-MD-VA	CO	Maintenance	100	-	-4.36	-10.04	87.53

Appendix B

**Table B.1-96
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-15.62	-35.99	313.65
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-15.26	-35.16	306.38
Washoe County, NV	PM ₁₀	Serious	70	-	-0.64	-1.48	12.91
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	0.20
Wayne County, IN	SO _x	Maintenance	100	-	-0.15	-0.35	3.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.26	-26.23	193.86
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.04	0.32
Weirton, WV	SO _x	Maintenance	100	-	-0.02	-0.05	0.45
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.32	-0.73	6.38
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.32	-0.73	6.38
Winston-Salem, NC	CO	Maintenance	100	-	-1.09	-2.52	21.98
Worcester, MA	CO	Maintenance	100	-	-0.65	-1.50	13.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.25	-0.58	5.05
Yakima, WA	CO	Maintenance	100	-	-0.12	-0.29	2.49
York, PA	Ozone	Maintenance	100	-	-1.24	-2.85	24.85
York, PA	PM _{2.5}	Nonattainment	100	-	-0.96	-2.21	19.22
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.43	-3.29	28.65
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.57	-1.31	11.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.20	-0.24
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.09	-0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.09	-0.11
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.03
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	-0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.66	1.02	-1.23
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.66	1.02	-1.23
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.08	-0.15	-0.54
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.30	0.46	-0.55
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.30	0.46	-0.55
Baton Rouge, LA	Ozone	Moderate	50	-	-7.33	-12.53	-27.54
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-23.55	-40.21	-87.37
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Billings, MT	CO	Maintenance	100	-	-3.91	-6.68	-14.52
Birmingham, AL	Ozone	Maintenance	100	-	-0.25	-0.44	-1.49

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.25	-0.44	-1.49
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.05	-0.06
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.06
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.09	0.13	-0.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.51	0.79	-0.95
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.10	-0.12
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.12	0.18	-0.22
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.60	-1.03	-2.39
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.60	-1.03	-2.39
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.04	-0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.05
Charlotte, NC	CO	Maintenance	100	-	0.07	0.11	-0.13
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.16	0.25	-0.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.08	-0.10
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-10.27	-17.65	-41.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-10.25	-17.61	-41.97
Chico, CA	CO	Maintenance	100	-	0.01	0.02	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.31	-0.37

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**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.30	-0.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.15	0.22	-0.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.04	-0.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Cleveland, OH	CO	Maintenance	100	-	0.10	0.15	-0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.26	0.40	-0.48
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.37	-0.45
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.09	-0.11
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.09	-0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.12
Columbus, OH	Ozone	Maintenance	100	-	0.17	0.26	-0.31
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.24	-0.28
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.10	0.15	-0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.08	0.12	-0.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.68	1.06	-1.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.09	0.13	-0.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.51	-7.75	-18.33
Denver-Boulder, CO	CO	Maintenance	100	-	-4.53	-7.77	-18.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.45	-7.66	-18.44
Detroit, MI	CO	Maintenance	100	-	-3.56	-6.11	-14.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.38	-7.56	-18.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.39	-7.57	-18.79

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**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-8.66	-14.79	-32.17
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.58	-4.41	-9.82
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.04	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.04	-0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.03	-0.04
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.06
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.08	-0.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.03	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.06	-0.07
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.06	-0.07

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Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.06	0.09	-0.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.12	-0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.17	0.26	-0.31
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	-0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	-0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.25	-0.30
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.13	-0.15
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.14	-0.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.13	-0.16
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.15
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.17	-0.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.06
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-35.45	-60.62	-134.31
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-4.72	-8.06	-17.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-4.73	-8.09	-17.62
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.03	-0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	-0.04
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.20	0.31	-0.37
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.24	-0.29
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.08	-0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	0.26	-0.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.01

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**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.18	-0.22
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.14	-0.17
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.05	-0.06
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.07	-0.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.08
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.07	-0.09
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Las Vegas, NV	CO	Serious	100	-	0.15	0.22	-0.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	0.23	-0.27
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-6.02	-10.28	-22.35
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.01

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-15.58	-26.85	-66.05
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-15.58	-26.85	-66.05
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-15.58	-26.85	-66.05
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-15.58	-26.85	-66.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-15.58	-26.85	-66.05
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.11	-0.13
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.18	-0.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.17	-0.21
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.05	-0.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.02	0.03	-0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.04	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.05	-0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.06
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.76	-3.02	-7.07
Memphis, TN	CO	Maintenance	100	-	-1.77	-3.03	-7.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01

Appendix B

Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.08	-0.10
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.28	-0.33
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.29	0.44	-0.53
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.28	0.43	-0.52
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Modesto, CA	CO	Maintenance	100	-	0.03	0.05	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	0.25	-0.30
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.12	-0.15
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.07	-0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.15	-2.09	-8.65
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.18	-2.25	-12.67
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.19	-2.27	-12.65
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-6.56	-11.23	-25.18
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Perth Amboy, NJ	CO	Maintenance	100	-	-0.71	-1.22	-2.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.06	-0.07
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-9.97	-17.10	-39.40
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.79	-16.82	-39.90
Phoenix, AZ	CO	Maintenance	100	-	0.44	0.67	-0.83
Phoenix, AZ	PM ₁₀	Serious	70	-	0.45	0.70	-0.86
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.45	0.70	-0.86
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.20	0.31	-0.39
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.28	-0.35
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.09	-0.11

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.08	0.11	-0.36
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.13	0.21	-0.25
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.15	-0.18
Provo, UT	CO	Maintenance	100	-	0.02	0.02	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.20	-0.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.18	0.27	-0.32
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.05	-0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.06
Reno, NV	CO	Maintenance	100	-	0.02	0.04	-0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	0.17	-0.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.09	-0.11
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.14	0.21	-0.25
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.03	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.14	0.22	-0.27
Sacramento Metro, CA	Ozone	Severe	25	-	0.26	0.40	-0.47
Sacramento, CA	CO	Maintenance	100	-	0.16	0.25	-0.29
Salem, OR	CO	Maintenance	100	-	0.01	0.02	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	-1.66	-2.84	-6.26

Appendix B

Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.58	-2.71	-6.41
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.16	-0.19
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.18	0.29	-0.34
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.07	-0.08
San Diego, CA	CO	Maintenance	100	-	0.40	0.62	-0.74
San Diego, CA	Ozone	Former Subpart 1	50	-	0.40	0.62	-0.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-13.26	-22.74	-52.57
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-13.18	-22.61	-52.73
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.31	0.46	-1.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.31	0.47	-1.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.31	0.46	-1.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.10	-0.13
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	0.46	-0.55
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.07	-0.08
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.05
Spokane, WA	CO	Maintenance	100	-	0.03	0.05	-0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.14	-0.17
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	-0.03
St. Louis, MO	CO	Maintenance	100	-	0.10	0.15	-0.18
St. Louis, MO-IL	Ozone	Moderate	50	-	-26.71	-45.65	-100.53
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-26.71	-45.66	-100.53

Appendix B

**Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.06	-0.19
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.06	-0.19
Stockton, CA	CO	Maintenance	100	-	0.04	0.07	-0.08
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.08	-0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Toledo, OH	Ozone	Maintenance	100	-	-6.23	-10.64	-23.35
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	-0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	-0.02
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.10	0.15	-0.18
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.07	-0.09
Vancouver, WA	CO	Maintenance	100	-	0.03	0.05	-0.06
Ventura County, CA	Ozone	Serious	50	-	0.07	0.11	-0.18
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.24	-0.29

Appendix B

Table B.1-97
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.53	0.82	-0.99
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.52	0.81	-0.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.04	-0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.85	-4.86	-10.58
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.06	-0.08
Worcester, MA	CO	Maintenance	100	-	0.02	0.03	-0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	-0.01
York, PA	Ozone	Maintenance	100	-	0.04	0.07	-0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.07	0.10	-0.12
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.30	0.43	-2.91
Albuquerque, NM	CO	Maintenance	100	-	0.14	0.20	-1.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.14	0.20	-1.35
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.38
Anchorage, AK	CO	Maintenance	100	-	0.03	0.05	-0.32
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Atlanta, GA	Ozone	Moderate	50	-	1.56	2.27	-15.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.56	2.27	-15.27
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.02	-0.12
Bakersfield, CA	CO	Maintenance	100	-	-0.19	-0.39	-1.86
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.02
Baltimore, MD	Ozone	Moderate	50	-	0.70	1.01	-6.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.70	1.01	-6.81
Baton Rouge, LA	Ozone	Moderate	50	-	-17.21	-31.69	-52.38
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-55.25	-101.56	-162.57
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.06	-0.41
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.05	-0.33
Billings, MT	CO	Maintenance	100	-	-9.18	-16.88	-27.03
Birmingham, AL	Ozone	Maintenance	100	-	-0.58	-1.16	-4.71

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.58	-1.16	-4.71
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.11	-0.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.11	-0.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	-0.04
Boston, MA	CO	Maintenance	100	-	0.20	0.29	-1.94
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.19	1.73	-11.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.15	0.22	-1.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.27	0.39	-2.63
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.41	-2.62	-4.99
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.41	-2.62	-4.99
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.09	-0.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-0.63
Charlotte, NC	CO	Maintenance	100	-	0.17	0.25	-1.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.38	0.56	-3.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.13	0.18	-1.25
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.11	0.17	-1.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-24.11	-44.94	-91.32
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-24.06	-44.85	-91.87
Chico, CA	CO	Maintenance	100	-	0.03	0.04	-0.25
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.08	-0.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.46	0.67	-4.49

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.45	0.65	-4.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.35	0.51	-3.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.09	-0.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.41
Cleveland, OH	CO	Maintenance	100	-	0.22	0.32	-2.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.60	0.87	-5.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.55	0.80	-5.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.15	0.22	-1.46
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.14
Colorado Springs, CO	CO	Maintenance	100	-	0.14	0.20	-1.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.15	0.22	-1.48
Columbus, OH	Ozone	Maintenance	100	-	0.39	0.57	-3.83
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.36	0.53	-3.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.32	-2.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.26	-1.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.63	2.36	-15.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.19	0.28	-1.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.25	-1.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-10.58	-19.71	-39.75
Denver-Boulder, CO	CO	Maintenance	100	-	-10.61	-19.76	-39.45
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-10.44	-19.50	-41.14
Detroit, MI	CO	Maintenance	100	-	-8.35	-15.48	-29.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-10.30	-19.34	-43.77
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-10.32	-19.37	-43.57

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Duluth, MN	CO	Maintenance	100	-	0.02	0.03	-0.19
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-20.32	-37.36	-59.97
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-6.05	-11.17	-19.12
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.07
Erie, PA	Ozone	Maintenance	100	-	0.05	0.08	-0.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.08	-0.52
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.07	-0.50
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.09	-0.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.74
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	-0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Flint, MI	Ozone	Maintenance	100	-	0.12	0.18	-1.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.06	-0.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.08	0.12	-0.83
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.30
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.14	-0.95

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	-0.04
Fresno, CA	CO	Maintenance	100	-	0.14	0.20	-1.35
Grand Rapids, MI	Ozone	Maintenance	100	-	0.19	0.28	-1.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.07
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	-0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.38	0.56	-3.74
Greeley, CO	CO	Maintenance	100	-	0.03	0.04	-0.28
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.04	-0.28
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.11
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.38	0.55	-3.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.19	0.27	-1.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.21	0.30	-2.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.04	-0.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.20	0.29	-1.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.27	-1.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.25	0.36	-2.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.41
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.10	-0.67
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-83.19	-153.36	-259.63
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-11.08	-20.38	-33.26
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-11.11	-20.43	-32.94
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.07	-0.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.07	-0.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.47	0.68	-4.56
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.37	0.54	-3.62
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.35
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.04	-0.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.49
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.25
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	0.17	-1.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.39	0.56	-3.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.05	-0.33
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.19
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.06
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	-0.11

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.28	0.40	-2.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.21	0.31	-2.10
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.10	-0.69
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.07
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.14
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	-0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.10	0.15	-1.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.15	-1.03
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.11	0.16	-1.09
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.22
Las Vegas, NV	CO	Serious	100	-	0.35	0.51	-3.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.36	0.52	-3.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Lima, OH	Ozone	Maintenance	100	-	-14.13	-25.97	-41.59
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	-0.21
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.02	-0.10

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-36.55	-68.52	-151.92
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-36.55	-68.52	-151.92
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-36.55	-68.52	-151.92
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-36.55	-68.52	-151.92
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-36.55	-68.52	-151.92
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.16	0.23	-1.58
Louisville, KY-IN	Ozone	Maintenance	100	-	0.26	0.38	-2.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.37	-2.48
Lowell, MA	CO	Maintenance	100	-	0.03	0.04	-0.26
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.10	-0.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.15
Macon, GA	Ozone	Maintenance	100	-	0.05	0.07	-0.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.06	0.08	-0.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.02	0.03	-0.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.23
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.11	-0.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.73
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Medford, OR	CO	Maintenance	100	-	0.02	0.03	-0.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.06	-0.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.13	-7.68	-15.02
Memphis, TN	CO	Maintenance	100	-	-4.15	-7.71	-14.84
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.07

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Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.12	0.18	-1.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.41	0.60	-4.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.67	0.98	-6.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.65	0.95	-6.38
Missoula, MT	CO	Maintenance	100	-	0.01	0.02	-0.14
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.14
Modesto, CA	CO	Maintenance	100	-	0.07	0.10	-0.70
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.24
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.29
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	-0.14
Nashville, TN	Ozone	Former Subpart 1	50	-	0.38	0.55	-3.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.32
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.18	0.27	-1.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.15	-1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.74	-5.72	-31.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.82	-6.51	-52.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.85	-6.55	-51.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-15.41	-28.46	-49.66
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.16
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	-0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.05	-0.33
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.33
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	-0.23
Perth Amboy, NJ	CO	Maintenance	100	-	-1.67	-3.08	-5.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.13	-0.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-23.42	-43.43	-81.52
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-23.00	-42.85	-86.46
Phoenix, AZ	CO	Maintenance	100	-	1.09	1.58	-10.76
Phoenix, AZ	PM ₁₀	Serious	70	-	1.12	1.62	-11.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.12	1.63	-11.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.46	0.67	-4.57
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.42	0.61	-4.18
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	-0.05
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.13	0.19	-1.28

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.18	0.23	-2.90
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	0.32	0.46	-3.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.23	0.33	-2.24
Provo, UT	CO	Maintenance	100	-	0.04	0.06	-0.37
Raleigh-Durham, NC	CO	Maintenance	100	-	0.30	0.44	-2.97
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.41	0.60	-4.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.11	-0.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.11	-0.76
Reno, NV	CO	Maintenance	100	-	0.06	0.08	-0.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.26	0.37	-2.86
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	-0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.15	0.22	-1.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.09	-0.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	-0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	0.31	0.45	-3.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	0.06	-0.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.27
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.35	0.51	-3.41
Sacramento Metro, CA	Ozone	Severe	25	-	0.63	0.91	-6.12
Sacramento, CA	CO	Maintenance	100	-	0.39	0.57	-3.80
Salem, OR	CO	Maintenance	100	-	0.03	0.04	-0.30
Salt Lake City, UT	CO	Maintenance	100	-	-3.89	-7.17	-12.00

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.70	-6.90	-13.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.24	0.35	-2.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.43	0.63	-4.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.10	0.15	-0.98
San Diego, CA	CO	Maintenance	100	-	0.97	1.41	-9.46
San Diego, CA	Ozone	Former Subpart 1	50	-	0.97	1.41	-9.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-31.10	-57.72	-109.78
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-30.90	-57.43	-111.72
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.76	1.00	-11.22
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.77	1.01	-11.26
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.76	1.00	-11.22
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.16	0.23	-1.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.70	1.01	-6.80
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.04	-0.27
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	-0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.15	-1.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.43
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.10	-0.68
Spokane, WA	CO	Maintenance	100	-	0.07	0.10	-0.67
Springfield (western MA), MA	Ozone	Moderate	50	-	0.21	0.30	-2.03
Springfield, MA	CO	Maintenance	100	-	0.03	0.05	-0.33
St. Louis, MO	CO	Maintenance	100	-	0.21	0.31	-2.08
St. Louis, MO-IL	Ozone	Moderate	50	-	-62.70	-115.47	-191.87
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-62.70	-115.47	-191.83

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.06	-0.39
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.09	-0.17	-0.54
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.09	-0.17	-0.54
Stockton, CA	CO	Maintenance	100	-	0.11	0.16	-1.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.17	-1.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.30
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.13
Toledo, OH	Ozone	Maintenance	100	-	-14.61	-26.90	-44.30
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.23
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.23
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	-0.20
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.23	0.34	-2.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.11	0.16	-1.10
Vancouver, WA	CO	Maintenance	100	-	0.07	0.11	-0.71
Ventura County, CA	Ozone	Serious	50	-	0.18	0.25	-1.97
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.30
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	-0.13
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.48
Washington, DC-MD-VA	CO	Maintenance	100	-	0.36	0.53	-3.56

Appendix B

Table B.1-98
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.26	1.83	-12.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.23	1.79	-12.03
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.08	-0.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.69	-12.30	-19.75
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.05	-0.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.34
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.14	-0.93
Worcester, MA	CO	Maintenance	100	-	0.05	0.07	-0.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.21
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.09
York, PA	Ozone	Maintenance	100	-	0.10	0.15	-1.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.12	-0.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.22	-1.45
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.06	-0.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.70	0.24	-20.50
Albuquerque, NM	CO	Maintenance	100	-	0.32	0.11	-9.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.08	0.03	-2.48
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.32	0.11	-9.46
Altoona, PA	Ozone	Maintenance	100	-	0.05	0.02	-1.51
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.04	-3.23
Anchorage, AK	CO	Maintenance	100	-	0.08	0.03	-2.42
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
Atlanta, GA	Ozone	Moderate	50	-	3.82	1.31	-112.05
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.82	1.31	-112.10
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.01	-0.79
Bakersfield, CA	CO	Maintenance	100	-	-0.24	-1.06	-8.91
Baltimore, MD	CO	Maintenance	100	-	0.01	0.00	-0.15
Baltimore, MD	Ozone	Moderate	50	-	1.67	0.57	-49.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.67	0.57	-49.05
Baton Rouge, LA	Ozone	Moderate	50	-	-28.96	-67.96	-95.73
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-93.27	-216.82	-274.64
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.09	0.03	-2.61
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.41
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.08	0.03	-2.42
Billings, MT	CO	Maintenance	100	-	-15.50	-36.03	-45.79
Birmingham, AL	Ozone	Maintenance	100	-	-0.85	-3.03	-19.58

Appendix B

Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.85	-3.03	-19.63
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.18	0.06	-5.41
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.18	0.06	-5.41
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.30
Boston, MA	CO	Maintenance	100	-	0.46	0.16	-13.36
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.79	0.95	-81.67
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.36	0.12	-10.68
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.61	0.21	-17.89
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.11
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.29
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.34
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.34	-5.74	-11.62
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.34	-5.74	-11.62
Case County, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.67
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Charleston, WV	Ozone	Maintenance	100	-	0.14	0.05	-4.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.14	0.05	-4.05
Charlotte, NC	CO	Maintenance	100	-	0.42	0.14	-12.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.93	0.32	-27.40
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.29	0.09	-8.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.26	0.09	-7.79
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-39.58	-99.59	-240.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-39.44	-99.55	-243.98
Chico, CA	CO	Maintenance	100	-	0.07	0.02	-2.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.16	0.05	-4.56
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.07	0.37	-31.48

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.04	0.36	-30.51
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.19
Clark County, NV	PM ₁₀	Serious	70	-	0.91	0.31	-26.58
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.15	0.05	-4.31
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.10	0.03	-2.79
Cleveland, OH	CO	Maintenance	100	-	0.46	0.16	-13.49
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.35	0.46	-39.66
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.24	0.43	-36.42
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.40	0.14	-11.81
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.01	-0.86
Colorado Springs, CO	CO	Maintenance	100	-	0.35	0.12	-10.12
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.35	0.12	-10.38
Columbus, OH	Ozone	Maintenance	100	-	0.97	0.33	-28.32
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.90	0.31	-26.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.46	0.16	-13.49
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.38	0.13	-11.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.08	1.40	-119.70
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.43	0.15	-12.64
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.38	0.13	-11.13
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.32	-43.61	-105.30
Denver-Boulder, CO	CO	Maintenance	100	-	-17.40	-43.64	-103.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-16.97	-43.49	-115.74
Detroit, MI	CO	Maintenance	100	-	-13.72	-33.37	-64.58
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-16.72	-43.73	-128.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-16.77	-43.75	-127.09

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.61
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.55
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.44
Duluth, MN	CO	Maintenance	100	-	0.04	0.01	-1.21
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.15
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.30	-79.80	-101.98
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.14	-24.07	-37.88
El Paso, TX	CO	Maintenance	100	-	0.02	0.01	-0.49
Erie, PA	Ozone	Maintenance	100	-	0.12	0.04	-3.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.13	0.04	-3.76
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.12	0.04	-3.60
Evansville, IN	Ozone	Maintenance	100	-	0.14	0.05	-3.96
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.17	0.06	-5.05
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.00	-0.30
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.16	0.05	-4.68
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.12
Flint, MI	Ozone	Maintenance	100	-	0.27	0.09	-8.00
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.10	0.04	-3.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.20	0.07	-5.80
Franklin County, PA	Ozone	Maintenance	100	-	0.08	0.03	-2.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.07	0.02	-2.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.25	0.08	-7.27

Appendix B

Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.00	-0.31
Fresno, CA	CO	Maintenance	100	-	0.34	0.11	-10.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.46	0.16	-13.44
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.59
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.57
Great Falls, MT	CO	Maintenance	100	-	0.01	0.00	-0.27
Greater Connecticut, CT	Ozone	Moderate	50	-	0.87	0.30	-25.37
Greeley, CO	CO	Maintenance	100	-	0.07	0.02	-2.06
Green Bay, WI	SO _x	Maintenance	100	-	0.07	0.02	-1.98
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.01	-0.77
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.69
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.87	0.30	-25.41
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.42	0.15	-12.44
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.47	0.16	-13.72
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.06	0.02	-1.84
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.48	0.16	-14.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.15	-12.98
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.55	0.19	-16.21
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.00	-0.17
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.69
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.01	-0.63
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.03	-2.67
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.15	0.05	-4.49
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.04

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-139.56	-330.05	-502.55
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.68	-43.64	-58.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-18.75	-43.67	-56.48
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.43
Imperial County, CA	Ozone	Moderate	50	-	0.13	0.04	-3.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.13	0.04	-3.77
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.51
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.12	0.38	-32.84
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.89	0.30	-26.09
Jackson County, IN	Ozone	Maintenance	100	-	0.04	0.01	-1.23
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	0.03	-2.40
Jefferson County, NY	Ozone	Moderate	50	-	0.07	0.02	-1.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.11
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.11	0.04	-3.30
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.02	-1.37
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-1.51
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.00	-0.20
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.27	0.09	-7.82
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.51
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.93	0.32	-27.40
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.08	0.03	-2.37
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.43
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.02	-1.30
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.00	-0.38
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.01	-0.76

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.76
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.69	0.24	-20.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.52	0.18	-15.38
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.51
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.24
Lake County, IN	SO _x	Maintenance	100	-	0.16	0.05	-4.55
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.55
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.58
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.01	-1.26
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.00	-0.32
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.25	0.08	-7.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.25	0.08	-7.26
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.26	0.09	-7.53
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.02	-1.43
Las Vegas, NV	CO	Serious	100	-	0.91	0.31	-26.58
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.92	0.31	-26.91
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.02	-1.32
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.19
Lima, OH	Ozone	Maintenance	100	-	-23.85	-55.45	-70.35
Longmont, CO	CO	Maintenance	100	-	0.05	0.02	-1.60
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.73

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-59.03	-154.19	-449.83
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-59.03	-154.19	-449.83
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-59.03	-154.19	-449.83
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-59.03	-154.19	-449.83
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-59.03	-154.19	-449.82
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.40	0.14	-11.67
Louisville, KY-IN	Ozone	Maintenance	100	-	0.60	0.20	-17.45
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.57	0.20	-16.73
Lowell, MA	CO	Maintenance	100	-	0.06	0.02	-1.87
Lucas County, OH	SO _x	Maintenance	100	-	0.15	0.05	-4.43
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.95
Macon, GA	Ozone	Maintenance	100	-	0.10	0.04	-3.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.04	-3.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.14	0.05	-4.25
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.19
Manchester, NH	CO	Maintenance	100	-	0.04	0.01	-1.13
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.05	0.02	-1.54
Marion County, IN	SO _x	Maintenance	100	-	0.16	0.05	-4.69
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.02	-2.08
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.17	0.06	-5.06
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.42
Medford, OR	CO	Maintenance	100	-	0.05	0.02	-1.38
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.11	0.04	-3.30
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.86	-16.93	-36.17
Memphis, TN	CO	Maintenance	100	-	-6.90	-16.95	-35.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.51

Appendix B

Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.08
Milwaukee, WI	SO _x	Maintenance	100	-	0.27	0.09	-7.98
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.97	0.33	-28.51
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.61	0.55	-47.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.56	0.53	-45.81
Missoula, MT	CO	Maintenance	100	-	0.03	0.01	-1.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.97
Modesto, CA	CO	Maintenance	100	-	0.19	0.07	-5.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.06	0.02	-1.89
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.58
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.43
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.02	-1.64
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.00	-0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.07	0.02	-2.06
Nashua, NH	CO	Maintenance	100	-	0.03	0.01	-0.91
Nashville, TN	Ozone	Former Subpart 1	50	-	0.92	0.32	-27.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.03	-2.75
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.08	0.03	-2.38
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.41	0.14	-12.03
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.09
New York County, NY	PM ₁₀	Moderate	100	-	0.23	0.08	-6.72
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.55	-16.44	-143.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.60	-21.86	-265.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.67	-21.89	-262.96
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.67

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-25.80	-61.54	-101.20
Ogden, UT	CO	Maintenance	100	-	0.04	0.01	-1.08
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.01	-1.08
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.31
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.06	0.02	-1.84
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.08	0.03	-2.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.03	-2.22
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.33
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.01	-1.50
Perth Amboy, NJ	CO	Maintenance	100	-	-2.81	-6.61	-9.61
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.19	0.07	-5.67
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-38.95	-95.03	-187.67
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-37.94	-94.90	-220.99
Phoenix, AZ	CO	Maintenance	100	-	3.05	1.01	-90.06
Phoenix, AZ	PM ₁₀	Serious	70	-	3.14	1.04	-92.53
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.14	1.04	-92.79
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.16
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.00	-0.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.03	0.33	-30.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.94	0.30	-27.90
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.32
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Portland, ME	Ozone	Maintenance	100	-	0.30	0.10	-8.92

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.47	-0.14	-18.61
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.67
Poughkeepsie, NY	Ozone	Moderate	50	-	0.81	0.28	-23.60
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.13
Providence (entire State), RI	Ozone	Moderate	50	-	0.54	0.19	-15.95
Provo, UT	CO	Maintenance	100	-	0.10	0.03	-2.82
Raleigh-Durham, NC	CO	Maintenance	100	-	0.76	0.26	-22.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.03	0.35	-30.10
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	0.18	0.06	-5.21
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.06	-5.21
Reno, NV	CO	Maintenance	100	-	0.13	0.05	-3.88
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.62	0.13	-19.42
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.01	-0.87
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.40	0.14	-11.81
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.14	0.05	-4.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.02	-1.31
Rochester, NY	Ozone	Former Subpart 1	50	-	0.72	0.24	-20.98
Rocky Mount, NC	Ozone	Maintenance	100	-	0.10	0.03	-2.82
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.02	-1.86
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.92	0.32	-26.98
Sacramento Metro, CA	Ozone	Severe	25	-	1.69	0.58	-49.48
Sacramento, CA	CO	Maintenance	100	-	1.03	0.35	-30.32
Salem, OR	CO	Maintenance	100	-	0.07	0.02	-2.03
Salt Lake City, UT	CO	Maintenance	100	-	-6.54	-15.41	-22.61

Appendix B

Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.09	-15.26	-35.89
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.57	0.20	-16.76
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.05	0.36	-30.67
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.25	0.08	-7.25
San Diego, CA	CO	Maintenance	100	-	2.50	0.86	-73.33
San Diego, CA	Ozone	Former Subpart 1	50	-	2.51	0.86	-73.47
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-51.35	-126.46	-266.67
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-50.87	-126.30	-280.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.27	-0.21	-82.70
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.28	-0.20	-82.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.27	-0.21	-82.70
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.59
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.36	0.12	-10.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.69	0.58	-49.65
Sheboygan, WI	Ozone	Moderate	50	-	0.07	0.02	-1.93
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.00	-0.34
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.00	-0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.24	0.08	-7.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	-0.02	-2.40
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.17	0.06	-4.91
Spokane, WA	CO	Maintenance	100	-	0.17	0.06	-4.86
Springfield (western MA), MA	Ozone	Moderate	50	-	0.48	0.16	-13.99
Springfield, MA	CO	Maintenance	100	-	0.08	0.03	-2.33
St. Louis, MO	CO	Maintenance	100	-	0.44	0.15	-12.88
St. Louis, MO-IL	Ozone	Moderate	50	-	-105.52	-247.87	-352.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-105.53	-247.87	-352.20

Appendix B

Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.10	0.03	-2.84
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.34
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.62
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.14	-0.42	-1.92
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.14	-0.42	-1.92
Stockton, CA	CO	Maintenance	100	-	0.29	0.10	-8.41
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.27	0.09	-7.81
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.06	0.02	-1.89
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.83
Toledo, OH	Ozone	Maintenance	100	-	-24.61	-57.66	-79.83
Toms River, NJ	CO	Maintenance	100	-	0.06	0.02	-1.73
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	0.02	-1.64
Trenton, NJ	CO	Maintenance	100	-	0.05	0.02	-1.41
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Tucson, AZ	CO	Maintenance	100	-	0.57	0.20	-16.78
Utah County, UT	PM ₁₀	Moderate	100	-	0.28	0.10	-8.19
Vancouver, WA	CO	Maintenance	100	-	0.19	0.06	-5.45
Ventura County, CA	Ozone	Serious	50	-	0.48	0.10	-15.03
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.11
Vigo County, IN	SO _x	Maintenance	100	-	0.06	0.02	-1.89
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.01	-0.88
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.01	-0.58
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.04	-0.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.11	0.04	-3.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.86	0.29	-25.22

Appendix B

**Table B.1-99
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.08	1.05	-90.27
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.01	1.03	-88.27
Washoe County, NV	PM ₁₀	Serious	70	-	0.13	0.05	-3.88
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.03	0.01	-1.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.34	-26.41	-34.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.13
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.00	-0.17
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.07	0.02	-2.13
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.02	-2.13
Winston-Salem, NC	CO	Maintenance	100	-	0.22	0.08	-6.57
Worcester, MA	CO	Maintenance	100	-	0.13	0.04	-3.68
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.05	0.02	-1.50
Yakima, WA	CO	Maintenance	100	-	0.02	0.01	-0.68
York, PA	Ozone	Maintenance	100	-	0.25	0.09	-7.28
York, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.07	-5.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.32	0.11	-9.32
Yuma, AZ	PM ₁₀	Moderate	100	-	0.11	0.04	-3.21

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.11
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.17	-0.92	-33.44
Albuquerque, NM	CO	Maintenance	100	-	-0.08	-0.41	-15.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.02	-0.12	-4.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.08	-0.42	-15.36
Altoona, PA	Ozone	Maintenance	100	-	-0.01	-0.06	-2.28
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.03	-0.17	-6.05
Anchorage, AK	CO	Maintenance	100	-	-0.02	-0.11	-4.07
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.18
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.13
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.20
Atlanta, GA	Ozone	Moderate	50	-	-0.97	-5.19	-189.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.98	-5.19	-189.36
Atlantic City, NJ	CO	Maintenance	100	-	-0.01	-0.03	-1.24
Bakersfield, CA	CO	Maintenance	100	-	-0.10	-1.04	-13.68
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.01	-0.24
Baltimore, MD	Ozone	Moderate	50	-	-0.42	-2.24	-81.58
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.42	-2.24	-81.58
Baton Rouge, LA	Ozone	Moderate	50	-	-2.23	-41.56	-73.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.84	-131.01	-185.40
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.02	-0.11	-3.87
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.73
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.02	-0.11	-4.03
Billings, MT	CO	Maintenance	100	-	-1.14	-21.78	-31.11
Birmingham, AL	Ozone	Maintenance	100	-	-0.23	-2.61	-27.13

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.23	-2.61	-27.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.05	-0.25	-9.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.05	-0.25	-9.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.53
Boston, MA	CO	Maintenance	100	-	-0.11	-0.59	-21.44
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.68	-3.65	-132.98
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.09	-0.49	-17.75
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.22
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.15	-0.78	-28.35
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.12
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.42
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.61
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.22	-3.68	-11.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.22	-3.68	-11.59
Case County, MI	Ozone	Maintenance	100	-	-0.01	-0.03	-1.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.12
Charleston, WV	Ozone	Maintenance	100	-	-0.03	-0.17	-6.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.17	-6.06
Charlotte, NC	CO	Maintenance	100	-	-0.11	-0.58	-21.09
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.24	-1.26	-46.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.07	-0.37	-13.42
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.06	-0.34	-12.43
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-4.14	-66.07	-272.26
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-4.17	-66.25	-278.68
Chico, CA	CO	Maintenance	100	-	-0.02	-0.11	-3.91
Chico, CA	Ozone	Former Subpart 1	50	-	-0.04	-0.22	-8.18
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.26	-1.40	-51.19

Appendix B

Table B.1-100							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.26	-1.36	-49.53
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.26
Clark County, NV	PM ₁₀	Serious	70	-	-0.24	-1.28	-46.84
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.20	-7.24
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.12	-4.41
Cleveland, OH	CO	Maintenance	100	-	-0.10	-0.55	-19.92
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.32	-1.71	-62.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.29	-1.57	-57.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.11	-0.59	-21.43
Colbert County, AL	SO _x	Maintenance	100	-	-0.01	-0.03	-1.26
Colorado Springs, CO	CO	Maintenance	100	-	-0.09	-0.48	-17.43
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.17
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.09	-0.47	-16.97
Columbus, OH	Ozone	Maintenance	100	-	-0.25	-1.32	-48.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.23	-1.23	-44.80
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.10	-0.55	-19.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.09	-0.47	-17.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-1.06	-5.66	-206.27
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.10	-0.54	-19.57
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.09	-0.47	-17.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-1.83	-29.01	-122.13
Denver-Boulder, CO	CO	Maintenance	100	-	-1.81	-28.91	-118.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-1.92	-29.50	-140.00
Detroit, MI	CO	Maintenance	100	-	-1.27	-22.31	-59.94
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-2.00	-30.09	-154.37
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-1.99	-30.03	-152.14

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-1.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.85
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	-0.02	-0.70
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.05	-1.86
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.26
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-2.53	-48.26	-69.61
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.82	-14.93	-32.75
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.02	-0.78
Erie, PA	Ozone	Maintenance	100	-	-0.03	-0.15	-5.38
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.05
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.17	-6.26
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.16	-6.01
Evansville, IN	Ozone	Maintenance	100	-	-0.03	-0.17	-6.33
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.22	-7.98
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.51
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.04	-0.21	-7.58
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.22
Flint, MI	Ozone	Maintenance	100	-	-0.06	-0.35	-12.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-0.03	-0.15	-5.31
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.05	-0.26	-9.41
Franklin County, PA	Ozone	Maintenance	100	-	-0.02	-0.11	-4.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.09	-3.39
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.07	-0.35	-12.74

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	-0.02	-0.59
Fresno, CA	CO	Maintenance	100	-	-0.09	-0.47	-17.05
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.12	-0.62	-22.52
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.87
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-1.00
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.39
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.21	-1.10	-40.05
Greeley, CO	CO	Maintenance	100	-	-0.02	-0.10	-3.47
Green Bay, WI	SO _x	Maintenance	100	-	-0.02	-0.09	-3.23
Greene County, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-1.24
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-1.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.21	-1.11	-40.61
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.10	-0.54	-19.72
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.11	-0.59	-21.48
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-0.02	-0.56
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.02	-0.08	-2.98
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.12	-0.64	-23.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.59	-21.62
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.13	-0.69	-25.23
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.30
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.01	-0.03	-1.21
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.13
Hazelwood, PA	SO _x	Maintenance	100	-	-0.01	-0.03	-1.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.02	-0.11	-4.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.04	-0.19	-7.05
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05

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Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-11.16	-203.84	-422.76
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1.40	-26.53	-42.42
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1.39	-26.44	-38.96
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.67
Imperial County, CA	Ozone	Moderate	50	-	-0.03	-0.18	-6.74
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.03	-0.18	-6.61
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.79
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-0.28	-1.50	-54.59
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.22	-1.19	-43.45
Jackson County, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-1.94
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.02	-0.10	-3.80
Jefferson County, NY	Ozone	Moderate	50	-	-0.02	-0.08	-3.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.15
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.14	-5.16
Johnstown, PA	Ozone	Maintenance	100	-	-0.01	-0.05	-1.89
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.06	-2.08
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.36
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.06	-0.34	-12.39
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.87
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.24	-1.25	-45.67
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.02	-0.11	-3.97
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.76
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-2.06
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.59
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.29
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.03	-1.18

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Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-1.18
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.18	-0.94	-34.44
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.13	-0.71	-25.97
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.78
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.38
Lake County, IN	SO _x	Maintenance	100	-	-0.04	-0.19	-6.95
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-0.02	-0.86
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.14
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.01	-0.03	-1.09
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.01	-0.07	-2.48
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	-0.01	-0.50
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.21
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-0.06	-0.33	-11.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.33	-11.90
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.06	-0.33	-12.15
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.06	-2.15
Las Vegas, NV	CO	Serious	100	-	-0.24	-1.28	-46.84
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.24	-1.30	-47.33
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.01	-0.06	-2.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.10
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.13
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.26
Lima, OH	Ozone	Maintenance	100	-	-1.75	-33.51	-47.59
Longmont, CO	CO	Maintenance	100	-	-0.01	-0.08	-2.83
Lorain County, OH	SO _x	Maintenance	100	-	-0.01	-0.03	-1.18

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**Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-7.14	-106.56	-558.42
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-7.14	-106.56	-558.42
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-7.14	-106.56	-558.42
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-7.14	-106.56	-558.42
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-7.14	-106.56	-558.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.10	-0.55	-19.88
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.14	-0.76	-27.60
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.14	-0.72	-26.24
Lowell, MA	CO	Maintenance	100	-	-0.02	-0.09	-3.19
Lucas County, OH	SO _x	Maintenance	100	-	-0.03	-0.18	-6.73
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-1.42
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.13	-4.61
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.12	-4.55
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Madison, WI	SO _x	Maintenance	100	-	-0.04	-0.20	-7.41
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.39
Manchester, NH	CO	Maintenance	100	-	-0.01	-0.05	-1.65
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.01	-0.07	-2.40
Marion County, IN	SO _x	Maintenance	100	-	-0.04	-0.20	-7.20
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.02	-0.10	-3.77
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.04	-0.22	-8.19
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.69
Medford, OR	CO	Maintenance	100	-	-0.01	-0.07	-2.43
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.16	-5.86
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.65	-10.95	-36.94
Memphis, TN	CO	Maintenance	100	-	-0.65	-10.90	-35.27
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-0.02	-0.89

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Milwaukee, WI	SO _x	Maintenance	100	-	-0.06	-0.34	-12.46
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.24	-1.28	-46.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.40	-2.15	-78.27
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.39	-2.08	-75.98
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.05	-1.65
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.04	-1.60
Modesto, CA	CO	Maintenance	100	-	-0.05	-0.27	-9.84
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.02	-0.09	-3.41
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.08
Morristown, NJ	CO	Maintenance	100	-	-0.01	-0.03	-1.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.66
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.07	-2.39
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.15
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.40
Muskegon, MI	Ozone	Maintenance	100	-	-0.02	-0.09	-3.36
Nashua, NH	CO	Maintenance	100	-	-0.01	-0.04	-1.34
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.23	-1.25	-45.45
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.03	-0.14	-5.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.02	-0.12	-4.21
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.10	-0.52	-18.82
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.14
New York County, NY	PM ₁₀	Moderate	100	-	-0.05	-0.28	-10.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.55	-16.06	-207.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.72	-25.19	-397.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.70	-25.10	-394.46
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.01	-0.03	-1.11

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**Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-2.14	-38.35	-89.63
Ogden, UT	CO	Maintenance	100	-	-0.01	-0.05	-1.70
Ogden, UT	PM ₁₀	Moderate	100	-	-0.01	-0.05	-1.70
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.45
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.09	-3.18
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.00	-0.15
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.09	-3.42
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.10	-3.45
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.55
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.01	-0.07	-2.31
Perth Amboy, NJ	CO	Maintenance	100	-	-0.22	-4.06	-7.96
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.04	-0.23	-8.44
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-3.57	-60.77	-187.46
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-3.85	-62.38	-241.01
Phoenix, AZ	CO	Maintenance	100	-	-0.86	-4.61	-167.15
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.88	-4.72	-171.40
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.89	-4.74	-171.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.23
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.02	-0.82
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.25	-1.32	-47.66
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.22	-1.21	-43.52
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.51
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.09
Portland, ME	Ozone	Maintenance	100	-	-0.07	-0.40	-14.40

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Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.16	-1.01	-29.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-1.05
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.21	-1.12	-40.91
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.20
Providence (entire State), RI	Ozone	Moderate	50	-	-0.14	-0.72	-26.27
Provo, UT	CO	Maintenance	100	-	-0.03	-0.13	-4.89
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.20	-1.04	-37.87
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.26	-1.41	-51.33
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Reading, PA	Ozone	Maintenance	100	-	-0.04	-0.23	-8.33
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.04	-0.23	-8.33
Reno, NV	CO	Maintenance	100	-	-0.03	-0.17	-6.28
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.16	-0.91	-31.14
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.01	-0.04	-1.56
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.11	-0.59	-21.43
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.03	-0.17	-6.26
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.01	-0.06	-2.17
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.17	-0.92	-33.59
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.02	-0.12	-4.40
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.08	-2.96
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.25	-1.32	-48.21
Sacramento Metro, CA	Ozone	Severe	25	-	-0.46	-2.45	-89.46
Sacramento, CA	CO	Maintenance	100	-	-0.28	-1.49	-54.26
Salem, OR	CO	Maintenance	100	-	-0.02	-0.09	-3.20
Salt Lake City, UT	CO	Maintenance	100	-	-0.51	-9.47	-18.33

Appendix B

Table B.1-100							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.63	-10.07	-40.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.14	-0.76	-27.70
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.26	-1.41	-51.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.06	-0.33	-12.08
San Diego, CA	CO	Maintenance	100	-	-0.66	-3.54	-129.05
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.67	-3.55	-129.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-4.95	-82.08	-289.02
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-5.07	-82.70	-311.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.78	-4.65	-145.22
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.78	-4.66	-145.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.78	-4.65	-145.22
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.01	-0.03	-1.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.09	-0.46	-16.80
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.43	-2.29	-83.42
Sheboygan, WI	Ozone	Moderate	50	-	-0.02	-0.09	-3.19
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.53
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.47
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.06	-0.31	-11.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.10	-3.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.23	-8.22
Spokane, WA	CO	Maintenance	100	-	-0.04	-0.22	-8.12
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.12	-0.61	-22.42
Springfield, MA	CO	Maintenance	100	-	-0.02	-0.11	-3.94
St. Louis, MO	CO	Maintenance	100	-	-0.10	-0.51	-18.56
St. Louis, MO-IL	Ozone	Moderate	50	-	-8.14	-151.64	-271.33
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-8.14	-151.63	-270.86

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.02	-0.13	-4.79
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.63
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.03	-0.91
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.32	-2.40
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.32	-2.40
Stockton, CA	CO	Maintenance	100	-	-0.08	-0.42	-15.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.06	-0.33	-12.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.08	-2.78
Tioga County, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-1.26
Toledo, OH	Ozone	Maintenance	100	-	-1.88	-35.17	-59.77
Toms River, NJ	CO	Maintenance	100	-	-0.02	-0.08	-3.06
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.07	-2.72
Trenton, NJ	CO	Maintenance	100	-	-0.01	-0.06	-2.33
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.10
Tucson, AZ	CO	Maintenance	100	-	-0.15	-0.78	-28.58
Utah County, UT	PM ₁₀	Moderate	100	-	-0.07	-0.38	-13.95
Vancouver, WA	CO	Maintenance	100	-	-0.05	-0.26	-9.51
Ventura County, CA	Ozone	Serious	50	-	-0.14	-0.77	-26.49
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.16
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.08	-2.78
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.01	-0.04	-1.41
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	-0.03	-0.94
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.04	-0.34
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.03	-0.14	-5.25
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.22	-1.17	-42.60

Appendix B

Table B.1-100
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.79	-4.19	-152.64
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.77	-4.09	-149.10
Washoe County, NV	PM ₁₀	Serious	70	-	-0.03	-0.17	-6.28
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.10
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.04	-1.49
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.88	-16.69	-25.50
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.15
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.22
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.09	-3.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.09	-3.10
Winston-Salem, NC	CO	Maintenance	100	-	-0.06	-0.29	-10.70
Worcester, MA	CO	Maintenance	100	-	-0.03	-0.17	-6.36
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-2.46
Yakima, WA	CO	Maintenance	100	-	-0.01	-0.03	-1.21
York, PA	Ozone	Maintenance	100	-	-0.06	-0.33	-12.09
York, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.26	-9.36
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.07	-0.38	-13.94
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.03	-0.15	-5.56

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-1.20	-2.06	-5.10
Albuquerque, NM	CO	Maintenance	100	-	-0.56	-0.96	-2.36
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.13	-0.23	-0.57
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.56	-0.96	-2.37
Altoona, PA	Ozone	Maintenance	100	-	-0.11	-0.18	-0.43
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.14	-0.25	-0.61
Anchorage, AK	CO	Maintenance	100	-	-0.13	-0.22	-0.55
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Atlanta, GA	Ozone	Moderate	50	-	-6.21	-10.64	-26.31
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-6.21	-10.65	-26.33
Atlantic City, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.21
Bakersfield, CA	CO	Maintenance	100	-	-1.77	-3.09	-3.93
Baltimore, MD	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Baltimore, MD	Ozone	Moderate	50	-	-2.79	-4.79	-11.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-2.79	-4.79	-11.83
Baton Rouge, LA	Ozone	Moderate	50	-	-15.37	-26.93	-26.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-204.65	-358.86	-332.87
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.18	-0.30	-0.74
Benzie County, MI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.09
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.14	-0.23	-0.58
Billings, MT	CO	Maintenance	100	-	-29.08	-51.00	-47.34
Birmingham, AL	Ozone	Maintenance	100	-	-1.00	-1.72	-4.15

Appendix B

Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.00	-1.72	-4.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.30	-0.52	-1.28
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.30	-0.52	-1.28
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Boston, MA	CO	Maintenance	100	-	-0.81	-1.39	-3.43
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-4.81	-8.25	-20.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.61	-1.04	-2.57
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-1.10	-1.88	-4.65
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.08
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.64	-2.86	-3.39
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.64	-2.86	-3.39
Case County, MI	Ozone	Maintenance	100	-	-0.04	-0.07	-0.18
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Charleston, WV	Ozone	Maintenance	100	-	-0.27	-0.46	-1.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.27	-0.46	-1.14
Charlotte, NC	CO	Maintenance	100	-	-0.68	-1.17	-2.88
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-1.53	-2.62	-6.48
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.52	-0.89	-2.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.47	-0.81	-2.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-139.42	-244.23	-243.37
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-139.64	-244.61	-244.33
Chico, CA	CO	Maintenance	100	-	-0.10	-0.16	-0.41
Chico, CA	Ozone	Former Subpart 1	50	-	-0.22	-0.39	-0.95
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-1.86	-3.18	-7.87

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-1.80	-3.09	-7.65
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.06
Clark County, NV	PM ₁₀	Serious	70	-	-1.36	-2.34	-5.78
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.24	-0.41	-1.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.17	-0.29	-0.73
Cleveland, OH	CO	Maintenance	100	-	-0.91	-1.56	-3.86
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-2.45	-4.21	-10.40
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-2.26	-3.88	-9.60
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.57	-0.98	-2.42
Colbert County, AL	SO _x	Maintenance	100	-	-0.06	-0.10	-0.25
Colorado Springs, CO	CO	Maintenance	100	-	-0.54	-0.93	-2.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.61	-1.05	-2.60
Columbus, OH	Ozone	Maintenance	100	-	-1.55	-2.66	-6.59
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-1.44	-2.47	-6.10
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.91	-1.56	-3.86
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.74	-1.27	-3.14
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-6.40	-10.98	-27.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.80	-1.37	-3.40
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.71	-1.22	-3.00
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-17.57	-30.71	-35.70
Denver-Boulder, CO	CO	Maintenance	100	-	-17.45	-30.50	-35.19
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-18.14	-31.68	-38.09
Detroit, MI	CO	Maintenance	100	-	-6.45	-11.25	-14.48
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-11.06	-19.22	-29.37
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-10.97	-19.08	-29.02

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.15
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.14
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.11
Duluth, MN	CO	Maintenance	100	-	-0.08	-0.13	-0.33
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-34.59	-60.65	-56.60
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.40	-7.70	-8.33
El Paso, TX	CO	Maintenance	100	-	-0.03	-0.05	-0.13
Erie, PA	Ozone	Maintenance	100	-	-0.22	-0.37	-0.92
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.22	-0.37	-0.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.21	-0.35	-0.87
Evansville, IN	Ozone	Maintenance	100	-	-0.24	-0.41	-1.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.31	-0.53	-1.31
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.28	-0.48	-1.18
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Flint, MI	Ozone	Maintenance	100	-	-0.49	-0.85	-2.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.16	-0.28	-0.68
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.34	-0.59	-1.46
Franklin County, PA	Ozone	Maintenance	100	-	-0.14	-0.24	-0.60
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.12	-0.21	-0.52
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.38	-0.65	-1.60

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Fresno, CA	CO	Maintenance	100	-	-0.54	-0.93	-2.30
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.75	-1.29	-3.20
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.17
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.13
Great Falls, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Greater Connecticut, CT	Ozone	Moderate	50	-	-1.57	-2.68	-6.64
Greeley, CO	CO	Maintenance	100	-	-0.11	-0.20	-0.48
Green Bay, WI	SO _x	Maintenance	100	-	-0.12	-0.20	-0.49
Greene County, IN	Ozone	Maintenance	100	-	-0.05	-0.08	-0.19
Greene County, PA	Ozone	Maintenance	100	-	-0.04	-0.07	-0.18
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-1.54	-2.64	-6.52
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.76	-1.31	-3.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.86	-1.47	-3.63
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.09
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.11	-0.19	-0.46
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.80	-1.37	-3.38
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.74	-1.26	-3.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-1.02	-1.74	-4.31
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Hazelwood, PA	SO _x	Maintenance	100	-	-0.04	-0.07	-0.16
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.17	-0.29	-0.72
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.28	-0.48	-1.19
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01

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Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-64.72	-113.29	-118.68
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.57	-6.24	-6.55
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.44	-6.02	-5.99
Huron County, MI	Ozone	Maintenance	100	-	-0.03	-0.05	-0.12
Imperial County, CA	Ozone	Moderate	50	-	-0.20	-0.34	-0.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.19	-0.33	-0.83
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.14
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-1.87	-3.21	-7.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-1.48	-2.54	-6.28
Jackson County, IN	Ozone	Maintenance	100	-	-0.08	-0.13	-0.32
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.15	-0.25	-0.63
Jefferson County, NY	Ozone	Moderate	50	-	-0.12	-0.20	-0.50
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.21	-0.35	-0.88
Johnstown, PA	Ozone	Maintenance	100	-	-0.10	-0.17	-0.42
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.19	-0.46
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.48	-0.82	-2.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.11
Kansas City, MO-KS	Ozone	Maintenance	100	-	-1.55	-2.66	-6.58
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.13	-0.23	-0.57
Kent, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.10
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.08	-0.13	-0.33
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.10
King County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Klamath Falls, OR	CO	Maintenance	100	-	-0.05	-0.08	-0.20

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**Table B.1-101
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Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.20
Knoxville, TN	Ozone	Former Subpart 1	50	-	-1.10	-1.88	-4.64
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.85	-1.46	-3.61
La Porte County, IN	SO _x	Maintenance	100	-	-0.03	-0.06	-0.14
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.06
Lake County, IN	SO _x	Maintenance	100	-	-0.29	-0.50	-1.24
Lake County, OH	SO _x	Maintenance	100	-	-0.03	-0.06	-0.14
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.03	-0.04	-0.11
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.05	-0.09	-0.23
Lake Tahoe, NV	CO	Maintenance	100	-	-0.02	-0.03	-0.08
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.42	-0.73	-1.79
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.42	-0.73	-1.79
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.45	-0.77	-1.91
LaPorte, IN	Ozone	Maintenance	100	-	-0.09	-0.16	-0.40
Las Vegas, NV	CO	Serious	100	-	-1.36	-2.34	-5.78
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-1.38	-2.37	-5.87
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.08	-0.14	-0.36
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.06
Lima, OH	Ozone	Maintenance	100	-	-21.81	-38.24	-35.64
Longmont, CO	CO	Maintenance	100	-	-0.08	-0.14	-0.35
Lorain County, OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.18

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**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-60.43	-105.42	-135.02
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-60.43	-105.42	-135.02
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-60.43	-105.42	-135.02
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-60.43	-105.42	-135.02
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-60.42	-105.42	-135.02
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.64	-1.09	-2.70
Louisville, KY-IN	Ozone	Maintenance	100	-	-1.07	-1.84	-4.55
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-1.04	-1.79	-4.41
Lowell, MA	CO	Maintenance	100	-	-0.11	-0.18	-0.45
Lucas County, OH	SO _x	Maintenance	100	-	-0.29	-0.49	-1.22
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.25
Macon, GA	Ozone	Maintenance	100	-	-0.20	-0.35	-0.86
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.20	-0.34	-0.85
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	-0.22	-0.38	-0.95
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Manchester, NH	CO	Maintenance	100	-	-0.07	-0.13	-0.32
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.10	-0.17	-0.41
Marion County, IN	SO _x	Maintenance	100	-	-0.30	-0.51	-1.27
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.10	-0.17	-0.43
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.30	-0.52	-1.27
Mason County, MI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.10
Medford, OR	CO	Maintenance	100	-	-0.07	-0.12	-0.30
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.17	-0.29	-0.72
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.76	-3.05	-5.36
Memphis, TN	CO	Maintenance	100	-	-1.68	-2.91	-5.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.11

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**Table B.1-101
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Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Milwaukee, WI	SO _x	Maintenance	100	-	-0.51	-0.87	-2.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-1.67	-2.87	-7.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-7.00	-12.18	-18.40
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-2.62	-4.49	-11.09
Missoula, MT	CO	Maintenance	100	-	-0.06	-0.10	-0.24
Missoula, MT	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.24
Modesto, CA	CO	Maintenance	100	-	-0.28	-0.48	-1.18
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.09	-0.16	-0.39
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Morristown, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.13
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.03	-0.05	-0.12
Muncie, IN	Ozone	Maintenance	100	-	-0.11	-0.19	-0.48
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.06
Muskegon, MI	Ozone	Maintenance	100	-	-0.12	-0.21	-0.52
Nashua, NH	CO	Maintenance	100	-	-0.06	-0.10	-0.25
Nashville, TN	Ozone	Former Subpart 1	50	-	-1.52	-2.61	-6.45
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.12	-0.21	-0.52
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.13	-0.22	-0.54
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.75	-1.29	-3.18
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
New York County, NY	PM ₁₀	Moderate	100	-	-0.44	-0.76	-1.87
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-11.29	-19.52	-37.77
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-18.70	-32.25	-67.06
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-18.58	-32.05	-66.56
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.16

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.38	-18.14	-20.73
Ogden, UT	CO	Maintenance	100	-	-0.07	-0.11	-0.28
Ogden, UT	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.28
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.09
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.42
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.01	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.14	-0.24	-0.59
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.14	-0.24	-0.59
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.08
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.10	-0.16	-0.41
Perth Amboy, NJ	CO	Maintenance	100	-	-0.88	-1.54	-1.61
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.38	-0.65	-1.60
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-36.96	-64.66	-70.96
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-38.93	-68.03	-79.29
Phoenix, AZ	CO	Maintenance	100	-	-4.13	-7.09	-17.52
Phoenix, AZ	PM ₁₀	Serious	70	-	-4.26	-7.31	-18.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-4.28	-7.34	-18.14
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.02	-0.04	-0.09
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-1.94	-3.32	-8.15
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-1.77	-3.04	-7.45
Polk County, TN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.08
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	-0.53	-0.91	-2.24

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-1.18	-2.03	-4.79
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.18
Poughkeepsie, NY	Ozone	Moderate	50	-	-1.25	-2.14	-5.29
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Providence (entire State), RI	Ozone	Moderate	50	-	-0.92	-1.58	-3.91
Provo, UT	CO	Maintenance	100	-	-0.15	-0.25	-0.63
Raleigh-Durham, NC	CO	Maintenance	100	-	-1.20	-2.06	-5.09
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-1.64	-2.81	-6.95
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.32	-0.54	-1.34
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.32	-0.54	-1.34
Reno, NV	CO	Maintenance	100	-	-0.23	-0.39	-0.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-1.16	-1.98	-4.90
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.04	-0.08	-0.19
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.57	-0.98	-2.42
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.25	-0.43	-1.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.07	-0.13	-0.32
Rochester, NY	Ozone	Former Subpart 1	50	-	-1.27	-2.17	-5.37
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.18	-0.30	-0.75
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.20	-0.48
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-1.34	-2.31	-5.70
Sacramento Metro, CA	Ozone	Severe	25	-	-2.40	-4.11	-10.16
Sacramento, CA	CO	Maintenance	100	-	-1.49	-2.56	-6.33
Salem, OR	CO	Maintenance	100	-	-0.12	-0.21	-0.53
Salt Lake City, UT	CO	Maintenance	100	-	-0.85	-1.48	-1.90

Appendix B

Table B.1-101							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Sulfur Dioxide (SO₂) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.61	-2.79	-5.14
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.96	-1.65	-4.08
San Antonio, TX	Ozone	Former Subpart 1	50	-	-1.73	-2.97	-7.33
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.40	-0.68	-1.68
San Diego, CA	CO	Maintenance	100	-	-3.77	-6.46	-15.97
San Diego, CA	Ozone	Former Subpart 1	50	-	-3.77	-6.47	-16.00
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-135.81	-237.93	-235.68
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-136.61	-239.30	-239.05
San Joaquin Valley, CA	Ozone	Extreme	10	-	-5.47	-9.43	-19.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-5.49	-9.46	-19.69
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-5.47	-9.43	-19.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.13
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.63	-1.09	-2.68
Seattle-Tacoma, WA	CO	Maintenance	100	-	-2.77	-4.75	-11.75
Sheboygan, WI	Ozone	Moderate	50	-	-0.11	-0.19	-0.47
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.07
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.43	-0.73	-1.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.17	-0.30	-0.73
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.28	-0.47	-1.17
Spokane, WA	CO	Maintenance	100	-	-0.27	-0.47	-1.16
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.84	-1.45	-3.58
Springfield, MA	CO	Maintenance	100	-	-0.14	-0.23	-0.57
St. Louis, MO	CO	Maintenance	100	-	-0.90	-1.54	-3.81
St. Louis, MO-IL	Ozone	Moderate	50	-	-113.82	-199.48	-191.98
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-113.80	-199.45	-191.90

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.16	-0.27	-0.67
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.18
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.05	-1.83	-1.94
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.05	-1.83	-1.94
Stockton, CA	CO	Maintenance	100	-	-0.42	-0.72	-1.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.49	-0.84	-2.08
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.13	-0.22	-0.54
Tioga County, PA	Ozone	Maintenance	100	-	-0.05	-0.09	-0.23
Toledo, OH	Ozone	Maintenance	100	-	-6.66	-11.65	-12.17
Toms River, NJ	CO	Maintenance	100	-	-0.09	-0.16	-0.39
Tooele County, UT	SO _x	Nonattainment	100	-	-0.09	-0.16	-0.40
Trenton, NJ	CO	Maintenance	100	-	-0.08	-0.14	-0.35
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	-0.92	-1.57	-3.88
Utah County, UT	PM ₁₀	Moderate	100	-	-0.45	-0.77	-1.89
Vancouver, WA	CO	Maintenance	100	-	-0.28	-0.48	-1.20
Ventura County, CA	Ozone	Serious	50	-	-0.83	-1.42	-3.33
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Vigo County, IN	SO _x	Maintenance	100	-	-0.13	-0.22	-0.54
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.05	-0.09	-0.23
Warren County, NJ	SO _x	Maintenance	100	-	-0.03	-0.06	-0.14
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.20	-0.35	-0.86
Washington, DC-MD-VA	CO	Maintenance	100	-	-1.47	-2.53	-6.24

Appendix B

**Table B.1-101
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-4.99	-8.57	-21.17
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-4.89	-8.39	-20.74
Washoe County, NV	PM ₁₀	Serious	70	-	-0.23	-0.39	-0.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.07	-0.12	-0.30
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.22	-3.89	-3.78
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.15	-0.25	-0.62
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.15	-0.25	-0.62
Winston-Salem, NC	CO	Maintenance	100	-	-0.39	-0.66	-1.64
Worcester, MA	CO	Maintenance	100	-	-0.20	-0.34	-0.85
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.37
Yakima, WA	CO	Maintenance	100	-	-0.03	-0.06	-0.15
York, PA	Ozone	Maintenance	100	-	-0.41	-0.71	-1.76
York, PA	PM _{2.5}	Nonattainment	100	-	-0.32	-0.55	-1.37
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.62	-1.06	-2.62
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.17	-0.29	-0.72

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.87	-5.38	-11.66
Albuquerque, NM	CO	Maintenance	100	-	-1.32	-2.48	-5.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.33	-0.61	-1.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.33	-2.50	-5.41
Altoona, PA	Ozone	Maintenance	100	-	-0.24	-0.45	-0.86
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.37	-0.70	-1.52
Anchorage, AK	CO	Maintenance	100	-	-0.32	-0.60	-1.30
Anthony, NM	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Atlanta, GA	Ozone	Moderate	50	-	-15.04	-28.19	-61.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-15.05	-28.21	-61.14
Atlantic City, NJ	CO	Maintenance	100	-	-0.12	-0.22	-0.47
Bakersfield, CA	CO	Maintenance	100	-	-3.66	-6.00	8.03
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.04	-0.09
Baltimore, MD	Ozone	Moderate	50	-	-6.71	-12.58	-27.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-6.71	-12.58	-27.27
Baton Rouge, LA	Ozone	Moderate	50	-	-30.35	-47.68	123.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-400.41	-622.48	1,805.65
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.40	-0.76	-1.64
Benzie County, MI	Ozone	Maintenance	100	-	-0.05	-0.10	-0.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.33	-0.62	-1.34
Billings, MT	CO	Maintenance	100	-	-56.91	-88.49	256.34
Birmingham, AL	Ozone	Maintenance	100	-	-2.34	-4.36	-8.96

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.35	-4.38	-8.99
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.73	-1.37	-2.97
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.73	-1.37	-2.97
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.15
Boston, MA	CO	Maintenance	100	-	-1.91	-3.59	-7.78
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-11.46	-21.49	-46.57
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.46	-2.74	-5.93
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.04	-0.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.59	-4.85	-10.52
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Butte, MT	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.19
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.31	-5.35	9.32
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.31	-5.35	9.32
Case County, MI	Ozone	Maintenance	100	-	-0.10	-0.18	-0.40
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Charleston, WV	Ozone	Maintenance	100	-	-0.62	-1.16	-2.52
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.62	-1.16	-2.52
Charlotte, NC	CO	Maintenance	100	-	-1.65	-3.10	-6.72
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.70	-6.93	-15.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.23	-2.30	-4.97
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.12	-2.09	-4.52
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-275.61	-433.35	1,111.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-276.15	-434.36	1,109.73
Chico, CA	CO	Maintenance	100	-	-0.24	-0.46	-0.99
Chico, CA	Ozone	Former Subpart 1	50	-	-0.56	-1.05	-2.29
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-4.42	-8.29	-17.98

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-4.29	-8.05	-17.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.13
Clark County, NV	PM ₁₀	Serious	70	-	-3.37	-6.32	-13.71
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.58	-1.09	-2.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.40	-0.76	-1.64
Cleveland, OH	CO	Maintenance	100	-	-2.10	-3.93	-8.53
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-5.77	-10.82	-23.46
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-5.32	-9.98	-21.63
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.44	-2.69	-5.84
Colbert County, AL	SO _x	Maintenance	100	-	-0.13	-0.25	-0.54
Colorado Springs, CO	CO	Maintenance	100	-	-1.33	-2.49	-5.39
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.46	-2.74	-5.93
Columbus, OH	Ozone	Maintenance	100	-	-3.77	-7.08	-15.34
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-3.50	-6.56	-14.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-2.10	-3.93	-8.53
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.72	-3.22	-6.97
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-15.66	-29.36	-63.63
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.87	-3.51	-7.62
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.66	-3.11	-6.73
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-35.68	-57.60	104.01
Denver-Boulder, CO	CO	Maintenance	100	-	-35.39	-57.05	105.20
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-37.06	-60.18	98.41
Detroit, MI	CO	Maintenance	100	-	-13.10	-21.50	28.69
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-23.46	-39.78	17.04
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-23.27	-39.42	17.82

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.08	-0.16	-0.34
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.32
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.06	-0.12	-0.26
Duluth, MN	CO	Maintenance	100	-	-0.18	-0.34	-0.74
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.08
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-67.73	-105.39	302.76
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-8.82	-14.05	30.56
El Paso, TX	CO	Maintenance	100	-	-0.07	-0.13	-0.29
Erie, PA	Ozone	Maintenance	100	-	-0.51	-0.96	-2.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.52	-0.97	-2.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.49	-0.93	-2.01
Evansville, IN	Ozone	Maintenance	100	-	-0.57	-1.07	-2.31
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.73	-1.37	-2.97
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.07	-0.16
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.66	-1.24	-2.69
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Flint, MI	Ozone	Maintenance	100	-	-1.16	-2.18	-4.73
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.40	-0.74	-1.61
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.82	-1.53	-3.33
Franklin County, PA	Ozone	Maintenance	100	-	-0.34	-0.64	-1.39
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.29	-0.55	-1.19
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.93	-1.75	-3.79

Appendix B

**Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.04	-0.07	-0.16
Fresno, CA	CO	Maintenance	100	-	-1.32	-2.48	-5.38
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.82	-3.42	-7.40
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.37
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.14	-0.30
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.08	-0.18
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.69	-6.91	-14.98
Greeley, CO	CO	Maintenance	100	-	-0.28	-0.52	-1.12
Green Bay, WI	SO _x	Maintenance	100	-	-0.28	-0.52	-1.12
Greene County, IN	Ozone	Maintenance	100	-	-0.11	-0.20	-0.44
Greene County, PA	Ozone	Maintenance	100	-	-0.10	-0.19	-0.41
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.64	-6.83	-14.79
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.80	-3.37	-7.32
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-2.01	-3.77	-8.18
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.05	-0.09	-0.21
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.26	-0.48	-1.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.92	-3.60	-7.80
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.77	-3.32	-7.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.39	-4.47	-9.70
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.09
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.16	-0.36
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	-0.09	-0.17	-0.37
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.40	-0.75	-1.62
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.66	-1.23	-2.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-128.95	-204.43	475.46
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.09	-11.23	26.26
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.77	-10.65	27.52
Huron County, MI	Ozone	Maintenance	100	-	-0.06	-0.12	-0.26
Imperial County, CA	Ozone	Moderate	50	-	-0.49	-0.92	-2.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.48	-0.90	-1.96
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.08	-0.14	-0.31
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-4.50	-8.43	-18.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-3.57	-6.68	-14.49
Jackson County, IN	Ozone	Maintenance	100	-	-0.18	-0.33	-0.72
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.35	-0.65	-1.41
Jefferson County, NY	Ozone	Moderate	50	-	-0.28	-0.52	-1.13
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.49	-0.91	-1.97
Johnstown, PA	Ozone	Maintenance	100	-	-0.23	-0.42	-0.92
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.25	-0.47	-1.01
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.10
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.13	-2.12	-4.60
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.07	-0.12	-0.27
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.74	-7.01	-15.20
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.32	-0.60	-1.31
Kent, WA	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.23
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.19	-0.35	-0.75
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.06	-0.10	-0.22
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.11	-0.21	-0.45

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Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.11	-0.21	-0.45
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.67	-5.00	-10.84
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-2.06	-3.87	-8.39
La Porte County, IN	SO _x	Maintenance	100	-	-0.08	-0.15	-0.32
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.14
Lake County, IN	SO _x	Maintenance	100	-	-0.68	-1.28	-2.77
Lake County, OH	SO _x	Maintenance	100	-	-0.08	-0.15	-0.33
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.07	-0.12	-0.27
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.14	-0.26	-0.57
Lake Tahoe, NV	CO	Maintenance	100	-	-0.05	-0.08	-0.18
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-1.01	-1.89	-4.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.01	-1.89	-4.11
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.07	-2.00	-4.35
LaPorte, IN	Ozone	Maintenance	100	-	-0.22	-0.41	-0.88
Las Vegas, NV	CO	Serious	100	-	-3.37	-6.32	-13.71
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-3.42	-6.42	-13.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.20	-0.37	-0.80
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.06	-0.13
Lima, OH	Ozone	Maintenance	100	-	-42.69	-66.42	191.24
Longmont, CO	CO	Maintenance	100	-	-0.20	-0.38	-0.83
Lorain County, OH	SO _x	Maintenance	100	-	-0.10	-0.19	-0.42

Appendix B

**Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-124.78	-204.89	270.66
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-124.78	-204.89	270.66
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-124.78	-204.89	270.66
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-124.79	-204.89	270.66
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-124.78	-204.89	270.67
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.55	-2.91	-6.31
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.53	-4.74	-10.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.45	-4.59	-9.94
Lowell, MA	CO	Maintenance	100	-	-0.25	-0.48	-1.03
Lucas County, OH	SO _x	Maintenance	100	-	-0.67	-1.25	-2.72
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.26	-0.57
Macon, GA	Ozone	Maintenance	100	-	-0.47	-0.88	-1.91
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.46	-0.87	-1.89
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.55	-1.03	-2.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Manchester, NH	CO	Maintenance	100	-	-0.17	-0.32	-0.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.23	-0.43	-0.92
Marion County, IN	SO _x	Maintenance	100	-	-0.70	-1.31	-2.85
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.25	-0.47	-1.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.72	-1.34	-2.91
Mason County, MI	Ozone	Maintenance	100	-	-0.06	-0.11	-0.24
Medford, OR	CO	Maintenance	100	-	-0.18	-0.33	-0.71
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.42	-0.78	-1.70
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.80	-6.63	-1.99
Memphis, TN	CO	Maintenance	100	-	-3.62	-6.29	-1.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.07	-0.12	-0.27

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-1.18	-2.22	-4.81
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.99	-7.49	-16.23
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-14.90	-25.23	11.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-6.29	-11.79	-25.55
Missoula, MT	CO	Maintenance	100	-	-0.14	-0.26	-0.56
Missoula, MT	PM ₁₀	Moderate	100	-	-0.13	-0.25	-0.54
Modesto, CA	CO	Maintenance	100	-	-0.69	-1.30	-2.82
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.23	-0.44	-0.95
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Morristown, NJ	CO	Maintenance	100	-	-0.07	-0.14	-0.30
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.07	-0.12	-0.26
Muncie, IN	Ozone	Maintenance	100	-	-0.26	-0.49	-1.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.06	-0.14
Muskegon, MI	Ozone	Maintenance	100	-	-0.29	-0.54	-1.18
Nashua, NH	CO	Maintenance	100	-	-0.14	-0.26	-0.56
Nashville, TN	Ozone	Former Subpart 1	50	-	-3.67	-6.89	-14.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.32	-0.59	-1.29
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.31	-0.58	-1.27
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.76	-3.30	-7.16
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.03	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-1.02	-1.92	-4.16
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-25.10	-44.62	-37.08
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-42.45	-76.64	-94.01
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-42.17	-76.12	-92.87
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.17	-0.37

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Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-20.91	-33.63	64.42
Ogden, UT	CO	Maintenance	100	-	-0.16	-0.30	-0.64
Ogden, UT	PM ₁₀	Moderate	100	-	-0.16	-0.30	-0.64
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.09	-0.19
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.24	-0.45	-0.98
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.33	-0.61	-1.32
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.33	-0.61	-1.33
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.18
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.22	-0.42	-0.91
Perth Amboy, NJ	CO	Maintenance	100	-	-1.75	-2.78	6.44
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.87	-1.64	-3.55
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-74.01	-118.19	249.69
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-78.67	-126.94	230.72
Phoenix, AZ	CO	Maintenance	100	-	-10.57	-19.82	-42.96
Phoenix, AZ	PM ₁₀	Serious	70	-	-10.90	-20.43	-44.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-10.93	-20.49	-44.42
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.05	-0.10	-0.21
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-4.53	-8.48	-18.05
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-4.15	-7.76	-16.47
Polk County, TN	SO _x	Maintenance	100	-	-0.05	-0.09	-0.19
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Portland, ME	Ozone	Maintenance	100	-	-1.26	-2.36	-5.11

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Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.77	-5.13	-9.80
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.10	-0.18	-0.40
Poughkeepsie, NY	Ozone	Moderate	50	-	-3.06	-5.74	-12.45
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	-2.21	-4.14	-8.97
Provo, UT	CO	Maintenance	100	-	-0.37	-0.69	-1.48
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.93	-5.49	-11.89
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.99	-7.48	-16.22
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-0.75	-1.40	-3.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.75	-1.40	-3.03
Reno, NV	CO	Maintenance	100	-	-0.55	-1.03	-2.23
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.75	-5.15	-11.16
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.11	-0.20	-0.44
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.44	-2.69	-5.84
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.59	-1.10	-2.39
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.18	-0.34	-0.73
Rochester, NY	Ozone	Former Subpart 1	50	-	-3.00	-5.62	-12.19
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.42	-0.78	-1.69
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.27	-0.50	-1.09
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	-3.36	-6.29	-13.64
Sacramento Metro, CA	Ozone	Severe	25	-	-6.04	-11.31	-24.52
Sacramento, CA	CO	Maintenance	100	-	-3.75	-7.02	-15.22
Salem, OR	CO	Maintenance	100	-	-0.29	-0.55	-1.19
Salt Lake City, UT	CO	Maintenance	100	-	-1.75	-2.88	3.84

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Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.58	-6.31	-3.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	-2.31	-4.33	-9.38
San Antonio, TX	Ozone	Former Subpart 1	50	-	-4.17	-7.82	-16.93
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.97	-1.81	-3.92
San Diego, CA	CO	Maintenance	100	-	-9.32	-17.48	-37.88
San Diego, CA	Ozone	Former Subpart 1	50	-	-9.34	-17.51	-37.95
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-268.45	-421.75	1,092.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-270.36	-425.33	1,084.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	-12.87	-23.28	-29.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-12.92	-23.36	-29.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-12.87	-23.28	-29.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.08	-0.14	-0.31
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.50	-2.81	-6.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	-6.70	-12.56	-27.23
Sheboygan, WI	Ozone	Moderate	50	-	-0.27	-0.50	-1.08
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.04	-0.07	-0.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.01	-1.90	-4.12
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.39	-0.73	-1.59
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.67	-1.25	-2.71
Spokane, WA	CO	Maintenance	100	-	-0.66	-1.24	-2.68
Springfield (western MA), MA	Ozone	Moderate	50	-	-2.00	-3.75	-8.13
Springfield, MA	CO	Maintenance	100	-	-0.32	-0.60	-1.31
St. Louis, MO	CO	Maintenance	100	-	-2.05	-3.85	-8.34
St. Louis, MO-IL	Ozone	Moderate	50	-	-223.71	-349.74	956.12
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-223.66	-349.66	956.29

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.38	-0.72	-1.56
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.10	-0.18	-0.39
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.08	-3.30	7.56
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.08	-3.30	7.56
Stockton, CA	CO	Maintenance	100	-	-1.04	-1.95	-4.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.15	-2.16	-4.67
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.29	-0.55	-1.20
Tioga County, PA	Ozone	Maintenance	100	-	-0.13	-0.24	-0.51
Toledo, OH	Ozone	Maintenance	100	-	-13.22	-20.94	49.32
Toms River, NJ	CO	Maintenance	100	-	-0.22	-0.42	-0.91
Tooele County, UT	SO _x	Nonattainment	100	-	-0.23	-0.42	-0.92
Trenton, NJ	CO	Maintenance	100	-	-0.20	-0.37	-0.81
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Tucson, AZ	CO	Maintenance	100	-	-2.23	-4.18	-9.06
Utah County, UT	PM ₁₀	Moderate	100	-	-1.09	-2.04	-4.42
Vancouver, WA	CO	Maintenance	100	-	-0.70	-1.31	-2.83
Ventura County, CA	Ozone	Serious	50	-	-2.02	-3.74	-7.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.29	-0.55	-1.20
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.13	-0.24	-0.51
Warren County, NJ	SO _x	Maintenance	100	-	-0.08	-0.15	-0.33
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.13
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.48	-0.89	-1.94
Washington, DC-MD-VA	CO	Maintenance	100	-	-3.51	-6.58	-14.26

Appendix B

Table B.1-102
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-12.10	-22.69	-49.19
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-11.85	-22.22	-48.16
Washoe County, NV	PM ₁₀	Serious	70	-	-0.55	-1.03	-2.23
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.16	-0.30	-0.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.40	-6.88	18.50
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Weirton, WV	SO _x	Maintenance	100	-	-0.03	-0.05	-0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.33	-0.63	-1.36
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.33	-0.63	-1.36
Winston-Salem, NC	CO	Maintenance	100	-	-0.92	-1.73	-3.74
Worcester, MA	CO	Maintenance	100	-	-0.49	-0.91	-1.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.21	-0.39	-0.85
Yakima, WA	CO	Maintenance	100	-	-0.09	-0.16	-0.35
York, PA	Ozone	Maintenance	100	-	-1.00	-1.87	-4.05
York, PA	PM _{2.5}	Nonattainment	100	-	-0.78	-1.45	-3.15
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.43	-2.68	-5.81
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.42	-0.78	-1.69

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.04	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.93	-12.65	-26.25
Albuquerque, NM	CO	Maintenance	100	-	-2.24	-5.75	-11.94
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.60	-1.53	-3.17
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.27	-5.84	-12.11
Altoona, PA	Ozone	Maintenance	100	-	-0.38	-0.91	-1.51
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.78	-1.99	-4.13
Anchorage, AK	CO	Maintenance	100	-	-0.58	-1.49	-3.10
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.15
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.05	-0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.15
Atlanta, GA	Ozone	Moderate	50	-	-26.94	-69.13	-143.52
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-26.95	-69.16	-143.58
Atlantic City, NJ	CO	Maintenance	100	-	-0.19	-0.49	-1.01
Bakersfield, CA	CO	Maintenance	100	-	-4.76	-0.46	67.29
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.10	-0.20
Baltimore, MD	Ozone	Moderate	50	-	-11.79	-30.26	-62.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-11.79	-30.26	-62.83
Baton Rouge, LA	Ozone	Moderate	50	-	-34.67	37.89	815.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-445.18	620.69	11,522.90
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.63	-1.61	-3.34
Benzie County, MI	Ozone	Maintenance	100	-	-0.10	-0.25	-0.53
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.58	-1.49	-3.10
Billings, MT	CO	Maintenance	100	-	-63.31	87.99	1,636.42
Birmingham, AL	Ozone	Maintenance	100	-	-3.82	-9.52	-18.15

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.83	-9.56	-18.22
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.30	-3.34	-6.94
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.30	-3.34	-6.94
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.07	-0.18	-0.38
Boston, MA	CO	Maintenance	100	-	-3.21	-8.24	-17.11
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-19.64	-50.39	-104.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.57	-6.59	-13.68
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.09	-0.18
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.30	-11.04	-22.91
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.07	-0.14
Butte, MT	PM ₁₀	Moderate	100	-	-0.07	-0.18	-0.38
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.21	-0.44
Canton-Massillon, OH	Ozone	Maintenance	100	-	-4.01	1.40	70.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-4.01	1.40	70.78
Case County, MI	Ozone	Maintenance	100	-	-0.16	-0.42	-0.86
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.02	-0.05	-0.11
Charleston, WV	Ozone	Maintenance	100	-	-0.97	-2.50	-5.18
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.97	-2.50	-5.18
Charlotte, NC	CO	Maintenance	100	-	-2.98	-7.66	-15.90
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-6.59	-16.91	-35.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.04	-5.22	-10.78
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.87	-4.80	-9.90
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-316.17	334.98	7,349.51
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-317.11	332.57	7,344.52
Chico, CA	CO	Maintenance	100	-	-0.50	-1.28	-2.66
Chico, CA	Ozone	Former Subpart 1	50	-	-1.10	-2.81	-5.84
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-7.57	-19.42	-40.32

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-7.34	-18.82	-39.07
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.05	-0.12	-0.25
Clark County, NV	PM ₁₀	Serious	70	-	-6.39	-16.40	-34.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.04	-2.66	-5.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.67	-1.72	-3.57
Cleveland, OH	CO	Maintenance	100	-	-3.24	-8.32	-17.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-9.54	-24.47	-50.81
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-8.76	-22.47	-46.64
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.84	-7.29	-15.13
Colbert County, AL	SO _x	Maintenance	100	-	-0.21	-0.53	-1.10
Colorado Springs, CO	CO	Maintenance	100	-	-2.43	-6.25	-12.97
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.12
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.50	-6.40	-13.30
Columbus, OH	Ozone	Maintenance	100	-	-6.81	-17.47	-36.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-6.33	-16.24	-33.72
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.24	-8.32	-17.28
Cuyahoga County, OH	SO _x	Maintenance	100	-	-2.70	-6.92	-14.37
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-28.78	-73.85	-153.32
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.04	-7.80	-16.19
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.68	-6.87	-14.26
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-44.35	14.10	771.66
Denver-Boulder, CO	CO	Maintenance	100	-	-43.81	15.46	774.50
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-46.86	7.65	758.29
Detroit, MI	CO	Maintenance	100	-	-15.71	0.22	235.76
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-32.14	-24.75	283.62
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-31.81	-23.91	285.37

Appendix B

**Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.15	-0.38	-0.78
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.13	-0.34	-0.70
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.11	-0.27	-0.56
Duluth, MN	CO	Maintenance	100	-	-0.29	-0.75	-1.55
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.04	-0.09	-0.19
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-75.46	103.21	1,937.41
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.49	7.17	212.80
El Paso, TX	CO	Maintenance	100	-	-0.12	-0.30	-0.63
Erie, PA	Ozone	Maintenance	100	-	-0.83	-2.14	-4.43
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.90	-2.32	-4.82
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.87	-2.22	-4.62
Evansville, IN	Ozone	Maintenance	100	-	-0.95	-2.44	-5.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.21	-3.12	-6.47
Fairbanks, AK	CO	Maintenance	100	-	-0.07	-0.18	-0.38
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.13	-2.89	-6.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.08	-0.16
Flint, MI	Ozone	Maintenance	100	-	-1.92	-4.94	-10.25
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-0.74	-1.89	-3.92
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.40	-3.58	-7.43
Franklin County, PA	Ozone	Maintenance	100	-	-0.60	-1.53	-3.17
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.50	-1.29	-2.67
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.75	-4.49	-9.32

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.08	-0.19	-0.40
Fresno, CA	CO	Maintenance	100	-	-2.41	-6.19	-12.85
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.23	-8.29	-17.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.37	-0.76
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.14	-0.35	-0.73
Great Falls, MT	CO	Maintenance	100	-	-0.07	-0.17	-0.35
Greater Connecticut, CT	Ozone	Moderate	50	-	-6.10	-15.66	-32.50
Greeley, CO	CO	Maintenance	100	-	-0.49	-1.27	-2.64
Green Bay, WI	SO _x	Maintenance	100	-	-0.48	-1.22	-2.54
Greene County, IN	Ozone	Maintenance	100	-	-0.18	-0.47	-0.99
Greene County, PA	Ozone	Maintenance	100	-	-0.17	-0.43	-0.89
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-6.11	-15.68	-32.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-2.99	-7.68	-15.94
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.30	-8.47	-17.58
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.08	-0.22	-0.45
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.44	-1.13	-2.35
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.38	-8.69	-18.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.12	-8.01	-16.63
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-3.90	-10.00	-20.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.11	-0.22
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.42	-0.88
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.05	-0.10
Hazelwood, PA	SO _x	Maintenance	100	-	-0.15	-0.39	-0.80
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.64	-1.65	-3.43
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.08	-2.77	-5.76
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-151.44	124.73	3,238.74
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.21	7.21	179.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.69	8.55	181.89
Huron County, MI	Ozone	Maintenance	100	-	-0.10	-0.27	-0.55
Imperial County, CA	Ozone	Moderate	50	-	-0.93	-2.37	-4.93
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.91	-2.32	-4.83
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.12	-0.31	-0.65
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-7.90	-20.26	-42.07
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-6.27	-16.10	-33.42
Jackson County, IN	Ozone	Maintenance	100	-	-0.29	-0.76	-1.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.58	-1.48	-3.08
Jefferson County, NY	Ozone	Moderate	50	-	-0.46	-1.19	-2.48
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.14
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.79	-2.04	-4.23
Johnstown, PA	Ozone	Maintenance	100	-	-0.33	-0.84	-1.75
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.36	-0.93	-1.93
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.12	-0.25
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.88	-4.82	-10.02
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.12	-0.31	-0.65
Kansas City, MO-KS	Ozone	Maintenance	100	-	-6.59	-16.91	-35.09
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.57	-1.46	-3.04
Kent, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.27	-0.56
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.31	-0.80	-1.66
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.09	-0.23	-0.48
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.11	-0.22
Klamath Falls, OR	CO	Maintenance	100	-	-0.18	-0.47	-0.97

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.18	-0.47	-0.97
Knoxville, TN	Ozone	Former Subpart 1	50	-	-4.85	-12.44	-25.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.70	-9.49	-19.70
La Porte County, IN	SO _x	Maintenance	100	-	-0.12	-0.32	-0.66
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.15	-0.30
Lake County, IN	SO _x	Maintenance	100	-	-1.09	-2.81	-5.83
Lake County, OH	SO _x	Maintenance	100	-	-0.13	-0.34	-0.70
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.12
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.14	-0.36	-0.74
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.30	-0.78	-1.62
Lake Tahoe, NV	CO	Maintenance	100	-	-0.08	-0.20	-0.41
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-1.75	-4.48	-9.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.75	-4.48	-9.30
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.81	-4.65	-9.65
LaPorte, IN	Ozone	Maintenance	100	-	-0.34	-0.88	-1.83
Las Vegas, NV	CO	Serious	100	-	-6.39	-16.40	-34.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-6.47	-16.60	-34.46
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.32	-0.81	-1.69
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.11
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.12	-0.25
Lima, OH	Ozone	Maintenance	100	-	-47.54	65.32	1,222.99
Longmont, CO	CO	Maintenance	100	-	-0.38	-0.99	-2.05
Lorain County, OH	SO _x	Maintenance	100	-	-0.17	-0.45	-0.93

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-161.90	-15.99	2,285.50
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-161.90	-15.99	2,285.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-161.90	-15.99	2,285.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-161.90	-15.99	2,285.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-161.89	-15.98	2,285.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.81	-7.20	-14.95
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.20	-10.77	-22.35
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.02	-10.32	-21.43
Lowell, MA	CO	Maintenance	100	-	-0.45	-1.16	-2.40
Lucas County, OH	SO _x	Maintenance	100	-	-1.07	-2.73	-5.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.22	-0.57	-1.19
Macon, GA	Ozone	Maintenance	100	-	-0.74	-1.89	-3.93
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.73	-1.87	-3.89
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.05
Madison, WI	SO _x	Maintenance	100	-	-1.02	-2.62	-5.44
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.05	-0.12	-0.25
Manchester, NH	CO	Maintenance	100	-	-0.27	-0.70	-1.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.37	-0.95	-1.97
Marion County, IN	SO _x	Maintenance	100	-	-1.13	-2.89	-6.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.50	-1.28	-2.66
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.22	-3.12	-6.48
Mason County, MI	Ozone	Maintenance	100	-	-0.10	-0.26	-0.54
Medford, OR	CO	Maintenance	100	-	-0.33	-0.85	-1.76
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.79	-2.04	-4.23
Memphis, TN-AR	Ozone	Maintenance	100	-	-5.34	-6.80	26.04
Memphis, TN	CO	Maintenance	100	-	-5.07	-6.09	27.50
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.12	-0.32	-0.65

Appendix B

**Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.05	-0.10
Milwaukee, WI	SO _x	Maintenance	100	-	-1.92	-4.93	-10.23
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-6.85	-17.59	-36.52
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-20.70	-15.91	183.01
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-11.01	-28.26	-58.66
Missoula, MT	CO	Maintenance	100	-	-0.24	-0.62	-1.28
Missoula, MT	PM ₁₀	Moderate	100	-	-0.23	-0.60	-1.24
Modesto, CA	CO	Maintenance	100	-	-1.34	-3.44	-7.13
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.45	-1.17	-2.42
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Morristown, NJ	CO	Maintenance	100	-	-0.14	-0.36	-0.74
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.10	-0.27	-0.55
Muncie, IN	Ozone	Maintenance	100	-	-0.40	-1.01	-2.11
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.05	-0.10
Muscatine County, IA	SO _x	Maintenance	100	-	-0.06	-0.15	-0.31
Muskegon, MI	Ozone	Maintenance	100	-	-0.50	-1.27	-2.64
Nashua, NH	CO	Maintenance	100	-	-0.22	-0.56	-1.17
Nashville, TN	Ozone	Former Subpart 1	50	-	-6.52	-16.73	-34.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.66	-1.70	-3.53
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.57	-1.47	-3.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-2.89	-7.42	-15.40
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.02	-0.05	-0.11
New York County, NY	PM ₁₀	Moderate	100	-	-1.61	-4.14	-8.60
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-37.60	-63.15	62.38
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-66.55	-130.45	-36.89
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-66.05	-129.17	-34.22
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.41	-0.86

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-25.24	11.97	470.28
Ogden, UT	CO	Maintenance	100	-	-0.26	-0.67	-1.38
Ogden, UT	PM ₁₀	Moderate	100	-	-0.26	-0.67	-1.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.07	-0.19	-0.39
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.44	-1.14	-2.36
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.04	-0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.53	-1.36	-2.82
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.53	-1.37	-2.84
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.08	-0.20	-0.42
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.36	-0.92	-1.92
Perth Amboy, NJ	CO	Maintenance	100	-	-2.09	1.60	43.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.36	-3.50	-7.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-87.74	57.55	1,760.46
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-95.67	37.19	1,718.20
Phoenix, AZ	CO	Maintenance	100	-	-21.64	-55.53	-115.28
Phoenix, AZ	PM ₁₀	Serious	70	-	-22.24	-57.05	-118.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-22.30	-57.22	-118.78
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.10	-0.20
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.10	-0.26	-0.53
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-7.39	-18.77	-37.84
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-6.75	-17.13	-34.45
Polk County, TN	SO _x	Maintenance	100	-	-0.08	-0.20	-0.42
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.07
Portland, ME	Ozone	Maintenance	100	-	-2.14	-5.50	-11.41

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-4.55	-10.95	-18.45
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.16	-0.41	-0.86
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.68	-14.56	-30.23
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.17
Providence (entire State), RI	Ozone	Moderate	50	-	-3.83	-9.84	-20.42
Provo, UT	CO	Maintenance	100	-	-0.68	-1.74	-3.61
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.33	-13.66	-28.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-7.24	-18.57	-38.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Reading, PA	Ozone	Maintenance	100	-	-1.25	-3.21	-6.67
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.25	-3.21	-6.67
Reno, NV	CO	Maintenance	100	-	-0.93	-2.40	-4.97
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-4.64	-11.91	-24.73
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.21	-0.54	-1.12
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.84	-7.29	-15.13
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.96	-2.47	-5.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.32	-0.81	-1.68
Rochester, NY	Ozone	Former Subpart 1	50	-	-5.04	-12.94	-26.87
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.68	-1.74	-3.62
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.45	-1.15	-2.39
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	-6.49	-16.64	-34.55
Sacramento Metro, CA	Ozone	Severe	25	-	-11.90	-30.53	-63.38
Sacramento, CA	CO	Maintenance	100	-	-7.29	-18.71	-38.84
Salem, OR	CO	Maintenance	100	-	-0.49	-1.25	-2.60
Salt Lake City, UT	CO	Maintenance	100	-	-2.25	-0.15	32.36

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Table B.1-103							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.45	-8.34	15.36
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.03	-10.34	-21.46
San Antonio, TX	Ozone	Former Subpart 1	50	-	-7.38	-18.92	-39.25
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.74	-4.47	-9.28
San Diego, CA	CO	Maintenance	100	-	-17.63	-45.24	-93.93
San Diego, CA	Ozone	Former Subpart 1	50	-	-17.67	-45.33	-94.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-308.29	330.18	7,194.33
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-311.61	321.65	7,176.63
San Joaquin Valley, CA	Ozone	Extreme	10	-	-22.50	-45.98	-27.20
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-22.56	-46.13	-27.52
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-22.50	-45.98	-27.20
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.14	-0.36	-0.75
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.52	-6.47	-13.43
Seattle-Tacoma, WA	CO	Maintenance	100	-	-11.94	-30.63	-63.60
Sheboygan, WI	Ozone	Moderate	50	-	-0.46	-1.19	-2.47
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.08	-0.21	-0.43
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.18	-0.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.70	-4.37	-9.08
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.56	-1.45	-3.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.18	-3.03	-6.29
Spokane, WA	CO	Maintenance	100	-	-1.17	-3.00	-6.22
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.36	-8.63	-17.92
Springfield, MA	CO	Maintenance	100	-	-0.56	-1.44	-2.99
St. Louis, MO	CO	Maintenance	100	-	-3.10	-7.95	-16.50
St. Louis, MO-IL	Ozone	Moderate	50	-	-251.89	311.57	6,207.60
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-251.82	311.76	6,207.98

Appendix B

**Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.68	-1.75	-3.64
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.21	-0.44
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.15	-0.38	-0.79
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.40	2.06	51.96
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.40	2.06	51.96
Stockton, CA	CO	Maintenance	100	-	-2.02	-5.19	-10.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.88	-4.82	-10.00
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-0.45	-1.17	-2.42
Tioga County, PA	Ozone	Maintenance	100	-	-0.20	-0.51	-1.07
Toledo, OH	Ozone	Maintenance	100	-	-15.32	13.62	335.51
Toms River, NJ	CO	Maintenance	100	-	-0.42	-1.07	-2.21
Tooele County, UT	SO _x	Nonattainment	100	-	-0.40	-1.01	-2.11
Trenton, NJ	CO	Maintenance	100	-	-0.34	-0.87	-1.81
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.07
Tucson, AZ	CO	Maintenance	100	-	-4.03	-10.35	-21.49
Utah County, UT	PM ₁₀	Moderate	100	-	-1.97	-5.05	-10.49
Vancouver, WA	CO	Maintenance	100	-	-1.31	-3.36	-6.98
Ventura County, CA	Ozone	Serious	50	-	-3.74	-9.01	-15.34
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.13
Vigo County, IN	SO _x	Maintenance	100	-	-0.45	-1.17	-2.42
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.21	-0.54	-1.13
Warren County, NJ	SO _x	Maintenance	100	-	-0.14	-0.36	-0.74
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.13	-0.27
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.79	-2.04	-4.23
Washington, DC-MD-VA	CO	Maintenance	100	-	-6.06	-15.56	-32.31

Appendix B

Table B.1-103
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-21.71	-55.69	-115.62
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-21.22	-54.46	-113.06
Washoe County, NV	PM ₁₀	Serious	70	-	-0.93	-2.40	-4.97
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.08
Wayne County, IN	SO _x	Maintenance	100	-	-0.24	-0.63	-1.30
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.13	5.95	123.39
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.16
Weirton, WV	SO _x	Maintenance	100	-	-0.04	-0.11	-0.22
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.51	-1.31	-2.72
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.51	-1.31	-2.72
Winston-Salem, NC	CO	Maintenance	100	-	-1.58	-4.05	-8.41
Worcester, MA	CO	Maintenance	100	-	-0.88	-2.27	-4.71
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.36	-0.93	-1.92
Yakima, WA	CO	Maintenance	100	-	-0.16	-0.42	-0.87
York, PA	Ozone	Maintenance	100	-	-1.75	-4.49	-9.32
York, PA	PM _{2.5}	Nonattainment	100	-	-1.36	-3.48	-7.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.24	-5.75	-11.93
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.77	-1.98	-4.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.03	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.73	-8.83	-25.74
Albuquerque, NM	CO	Maintenance	100	-	-0.33	-3.97	-11.57
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.09	-1.12	-3.26
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.34	-4.05	-11.82
Altoona, PA	Ozone	Maintenance	100	-	-0.03	-0.52	-1.12
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.13	-1.60	-4.66
Anchorage, AK	CO	Maintenance	100	-	-0.09	-1.08	-3.14
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.05	-0.14
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.03	-0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.15
Atlanta, GA	Ozone	Moderate	50	-	-4.13	-49.97	-145.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-4.13	-49.99	-145.77
Atlantic City, NJ	CO	Maintenance	100	-	-0.03	-0.33	-0.95
Bakersfield, CA	CO	Maintenance	100	-	3.15	11.53	106.50
Baltimore, MD	CO	Maintenance	100	-	-0.01	-0.06	-0.19
Baltimore, MD	Ozone	Moderate	50	-	-1.78	-21.54	-62.80
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-1.78	-21.54	-62.80
Baton Rouge, LA	Ozone	Moderate	50	-	36.59	155.84	1,240.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	513.93	2,231.35	17,436.81
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.08	-1.02	-2.98
Benzie County, MI	Ozone	Maintenance	100	-	-0.02	-0.19	-0.56
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.09	-1.06	-3.11
Billings, MT	CO	Maintenance	100	-	72.99	316.81	2,476.39
Birmingham, AL	Ozone	Maintenance	100	-	-0.45	-6.12	-16.12

Appendix B

**Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.46	-6.14	-16.19
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.20	-2.41	-7.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.20	-2.41	-7.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.01	-0.14	-0.41
Boston, MA	CO	Maintenance	100	-	-0.47	-5.66	-16.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-2.90	-35.10	-102.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.39	-4.69	-13.67
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.06	-0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.62	-7.48	-21.82
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.03	-0.09
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.11	-0.33
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.16	-0.47
Canton-Massillon, OH	Ozone	Maintenance	100	-	3.26	13.00	110.40
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	3.26	13.00	110.40
Case County, MI	Ozone	Maintenance	100	-	-0.02	-0.28	-0.82
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.10
Charleston, WV	Ozone	Maintenance	100	-	-0.13	-1.60	-4.67
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.13	-1.60	-4.67
Charlotte, NC	CO	Maintenance	100	-	-0.46	-5.57	-16.24
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-1.01	-12.17	-35.48
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.29	-3.53	-10.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.27	-3.27	-9.48
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	330.12	1,402.09	11,194.85
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	329.98	1,400.40	11,189.91
Chico, CA	CO	Maintenance	100	-	-0.09	-1.03	-3.01
Chico, CA	Ozone	Former Subpart 1	50	-	-0.18	-2.16	-6.30
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-1.12	-13.51	-39.40

Appendix B

**Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-1.08	-13.08	-38.13
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-0.20
Clark County, NV	PM ₁₀	Serious	70	-	-1.02	-12.37	-36.06
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.16	-1.91	-5.58
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.10	-1.17	-3.40
Cleveland, OH	CO	Maintenance	100	-	-0.43	-5.26	-15.33
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-1.36	-16.50	-48.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-1.25	-15.09	-44.01
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.47	-5.66	-16.50
Colbert County, AL	SO _x	Maintenance	100	-	-0.03	-0.33	-0.97
Colorado Springs, CO	CO	Maintenance	100	-	-0.38	-4.60	-13.42
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.04	-0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.37	-4.48	-13.06
Columbus, OH	Ozone	Maintenance	100	-	-1.05	-12.70	-37.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.98	-11.83	-34.49
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.43	-5.26	-15.33
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.37	-4.53	-13.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-4.50	-54.45	-158.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.43	-5.17	-15.06
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.38	-4.54	-13.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	35.41	139.26	1,198.94
Denver-Boulder, CO	CO	Maintenance	100	-	35.49	140.27	1,201.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	35.02	134.54	1,185.18
Detroit, MI	CO	Maintenance	100	-	12.84	50.54	434.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	14.25	41.92	480.09
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	14.30	42.51	481.80

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.02	-0.27	-0.79
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.22	-0.65
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.02	-0.18	-0.54
Duluth, MN	CO	Maintenance	100	-	-0.04	-0.49	-1.43
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.07	-0.20
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	86.46	374.82	2,933.25
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	9.66	39.73	327.22
El Paso, TX	CO	Maintenance	100	-	-0.02	-0.21	-0.60
Erie, PA	Ozone	Maintenance	100	-	-0.12	-1.42	-4.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.14	-1.65	-4.82
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.13	-1.59	-4.63
Evansville, IN	Ozone	Maintenance	100	-	-0.14	-1.67	-4.87
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.17	-2.11	-6.15
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.13	-0.39
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.17	-2.00	-5.83
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.06	-0.17
Flint, MI	Ozone	Maintenance	100	-	-0.28	-3.33	-9.71
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.12	-1.40	-4.09
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.21	-2.48	-7.24
Franklin County, PA	Ozone	Maintenance	100	-	-0.09	-1.08	-3.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.07	-0.90	-2.61
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.28	-3.36	-9.80

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.01	-0.16	-0.45
Fresno, CA	CO	Maintenance	100	-	-0.37	-4.50	-13.12
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.49	-5.94	-17.33
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.23	-0.67
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.26	-0.77
Great Falls, MT	CO	Maintenance	100	-	-0.01	-0.10	-0.30
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.87	-10.57	-30.83
Greeley, CO	CO	Maintenance	100	-	-0.08	-0.92	-2.67
Green Bay, WI	SO _x	Maintenance	100	-	-0.07	-0.85	-2.48
Greene County, IN	Ozone	Maintenance	100	-	-0.03	-0.33	-0.96
Greene County, PA	Ozone	Maintenance	100	-	-0.02	-0.29	-0.83
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.89	-10.72	-31.27
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.43	-5.20	-15.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.47	-5.67	-16.53
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.01	-0.15	-0.43
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.06	-0.79	-2.29
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.51	-6.20	-18.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.47	-5.71	-16.65
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.55	-6.66	-19.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.01	-0.08	-0.23
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.03	-0.32	-0.93
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.03	-0.10
Hazelwood, PA	SO _x	Maintenance	100	-	-0.02	-0.27	-0.79
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.09	-1.09	-3.17
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.15	-1.86	-5.43
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	146.33	609.69	4,960.20
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	8.09	33.99	274.40
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	8.17	34.90	277.06
Huron County, MI	Ozone	Maintenance	100	-	-0.01	-0.18	-0.51
Imperial County, CA	Ozone	Moderate	50	-	-0.15	-1.78	-5.19
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.14	-1.74	-5.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.02	-0.21	-0.61
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-1.19	-14.41	-42.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.95	-11.47	-33.45
Jackson County, IN	Ozone	Maintenance	100	-	-0.04	-0.51	-1.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.08	-1.00	-2.92
Jefferson County, NY	Ozone	Moderate	50	-	-0.07	-0.82	-2.38
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.11
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.11	-1.36	-3.97
Johnstown, PA	Ozone	Maintenance	100	-	-0.04	-0.50	-1.45
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.55	-1.60
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.28
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.27	-3.27	-9.54
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.02	-0.23	-0.67
Kansas City, MO-KS	Ozone	Maintenance	100	-	-1.00	-12.05	-35.14
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.09	-1.05	-3.06
Kent, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.20	-0.59
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.04	-0.54	-1.59
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.01	-0.16	-0.45
King County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.08	-0.22
Klamath Falls, OR	CO	Maintenance	100	-	-0.03	-0.31	-0.91

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.31	-0.91
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.75	-9.09	-26.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.57	-6.86	-19.99
La Porte County, IN	SO _x	Maintenance	100	-	-0.02	-0.20	-0.60
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.10	-0.29
Lake County, IN	SO _x	Maintenance	100	-	-0.15	-1.84	-5.35
Lake County, OH	SO _x	Maintenance	100	-	-0.02	-0.23	-0.67
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.02	-0.29	-0.84
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.05	-0.66	-1.91
Lake Tahoe, NV	CO	Maintenance	100	-	-0.01	-0.13	-0.38
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.06	-0.16
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-0.26	-3.14	-9.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.26	-3.14	-9.16
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.27	-3.21	-9.35
LaPorte, IN	Ozone	Maintenance	100	-	-0.05	-0.57	-1.66
Las Vegas, NV	CO	Serious	100	-	-1.02	-12.37	-36.06
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-1.03	-12.49	-36.43
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.04	-0.53	-1.56
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.07	-0.20
Lima, OH	Ozone	Maintenance	100	-	54.57	236.65	1,851.38
Longmont, CO	CO	Maintenance	100	-	-0.06	-0.75	-2.18
Lorain County, OH	SO _x	Maintenance	100	-	-0.03	-0.31	-0.91

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**Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	107.07	392.33	3,620.32
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	107.07	392.33	3,620.32
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	107.07	392.33	3,620.32
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	107.07	392.33	3,620.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	107.07	392.33	3,620.34
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.43	-5.25	-15.31
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.60	-7.29	-21.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.57	-6.93	-20.20
Lowell, MA	CO	Maintenance	100	-	-0.07	-0.84	-2.46
Lucas County, OH	SO _x	Maintenance	100	-	-0.15	-1.78	-5.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.37	-1.08
Macon, GA	Ozone	Maintenance	100	-	-0.10	-1.22	-3.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.10	-1.20	-3.51
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.05
Madison, WI	SO _x	Maintenance	100	-	-0.16	-1.96	-5.70
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.10	-0.30
Manchester, NH	CO	Maintenance	100	-	-0.04	-0.43	-1.27
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.05	-0.63	-1.85
Marion County, IN	SO _x	Maintenance	100	-	-0.16	-1.90	-5.55
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.08	-0.99	-2.90
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.18	-2.16	-6.31
Mason County, MI	Ozone	Maintenance	100	-	-0.02	-0.18	-0.53
Medford, OR	CO	Maintenance	100	-	-0.05	-0.64	-1.87
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.13	-1.55	-4.51
Memphis, TN-AR	Ozone	Maintenance	100	-	1.51	2.67	50.67
Memphis, TN	CO	Maintenance	100	-	1.55	3.11	51.95
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.02	-0.23	-0.68

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.03	-0.08
Milwaukee, WI	SO _x	Maintenance	100	-	-0.27	-3.29	-9.59
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-1.02	-12.27	-35.79
Minneapolis-St Paul, MN	CO	Maintenance	100	-	9.14	26.49	307.96
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-1.66	-20.06	-58.48
Missoula, MT	CO	Maintenance	100	-	-0.04	-0.44	-1.27
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.42	-1.23
Modesto, CA	CO	Maintenance	100	-	-0.21	-2.60	-7.58
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.07	-0.90	-2.62
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Morristown, NJ	CO	Maintenance	100	-	-0.02	-0.28	-0.80
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.01	-0.17	-0.51
Muncie, IN	Ozone	Maintenance	100	-	-0.05	-0.63	-1.84
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.04	-0.12
Muscatine County, IA	SO _x	Maintenance	100	-	-0.01	-0.11	-0.31
Muskegon, MI	Ozone	Maintenance	100	-	-0.07	-0.89	-2.58
Nashua, NH	CO	Maintenance	100	-	-0.03	-0.36	-1.04
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.99	-12.00	-34.99
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.11	-1.37	-3.99
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.09	-1.11	-3.24
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.41	-4.97	-14.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.04	-0.11
New York County, NY	PM ₁₀	Moderate	100	-	-0.22	-2.68	-7.80
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.51	-8.72	181.20
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.50	-48.73	107.73
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.58	-47.81	110.42
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.02	-0.29	-0.86

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**Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	21.51	86.80	728.82
Ogden, UT	CO	Maintenance	100	-	-0.04	-0.45	-1.31
Ogden, UT	PM ₁₀	Moderate	100	-	-0.04	-0.45	-1.31
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.12	-0.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.07	-0.84	-2.45
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.04	-0.12
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.07	-0.90	-2.63
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.08	-0.91	-2.65
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.01	-0.15	-0.43
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.05	-0.61	-1.78
Perth Amboy, NJ	CO	Maintenance	100	-	1.98	8.15	66.95
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.18	-2.23	-6.50
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	80.04	329.20	2,712.46
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	78.87	315.11	2,671.38
Phoenix, AZ	CO	Maintenance	100	-	-3.65	-44.12	-128.64
Phoenix, AZ	PM ₁₀	Serious	70	-	-3.74	-45.24	-131.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-3.75	-45.35	-132.24
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.06	-0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.02	-0.22	-0.63
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.98	-12.33	-34.78
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.89	-11.24	-31.59
Polk County, TN	SO _x	Maintenance	100	-	-0.01	-0.14	-0.39
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Portland, ME	Ozone	Maintenance	100	-	-0.31	-3.80	-11.08

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Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.42	-6.75	-15.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.28	-0.81
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.89	-10.80	-31.49
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.16
Providence (entire State), RI	Ozone	Moderate	50	-	-0.57	-6.93	-20.22
Provo, UT	CO	Maintenance	100	-	-0.11	-1.29	-3.76
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.83	-10.00	-29.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-1.12	-13.55	-39.52
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	-0.18	-2.20	-6.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.18	-2.20	-6.41
Reno, NV	CO	Maintenance	100	-	-0.14	-1.66	-4.84
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.68	-8.20	-23.92
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.03	-0.41	-1.20
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.47	-5.66	-16.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.14	-1.65	-4.82
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.05	-0.57	-1.67
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.73	-8.87	-25.86
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.10	-1.16	-3.38
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.78	-2.28
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.02	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	-1.05	-12.73	-37.12
Sacramento Metro, CA	Ozone	Severe	25	-	-1.95	-23.62	-68.87
Sacramento, CA	CO	Maintenance	100	-	-1.18	-14.33	-41.77
Salem, OR	CO	Maintenance	100	-	-0.07	-0.84	-2.46
Salt Lake City, UT	CO	Maintenance	100	-	1.52	5.60	51.24

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.04	-0.18	34.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.60	-7.31	-21.33
San Antonio, TX	Ozone	Former Subpart 1	50	-	-1.12	-13.54	-39.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.26	-3.19	-9.30
San Diego, CA	CO	Maintenance	100	-	-2.82	-34.07	-99.35
San Diego, CA	Ozone	Former Subpart 1	50	-	-2.82	-34.14	-99.54
San Francisco Bay Area, CA	Ozone	Marginal	50	-	322.93	1,371.71	10,951.19
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	322.44	1,365.76	10,933.83
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.28	-23.19	5.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.27	-23.28	5.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.28	-23.19	5.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.02	-0.27	-0.78
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.37	-4.43	-12.93
Seattle-Tacoma, WA	CO	Maintenance	100	-	-1.82	-22.02	-64.22
Sheboygan, WI	Ozone	Moderate	50	-	-0.07	-0.84	-2.45
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.14	-0.41
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.01	-0.12	-0.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.25	-3.00	-8.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.80	-2.34
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.18	-2.17	-6.32
Spokane, WA	CO	Maintenance	100	-	-0.18	-2.14	-6.25
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.49	-5.92	-17.26
Springfield, MA	CO	Maintenance	100	-	-0.09	-1.04	-3.03
St. Louis, MO	CO	Maintenance	100	-	-0.41	-4.90	-14.29
St. Louis, MO-IL	Ozone	Moderate	50	-	277.82	1,195.28	9,424.17
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	277.83	1,195.41	9,424.53

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**Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.10	-1.27	-3.69
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.17	-0.48
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.24	-0.70
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	2.35	9.87	79.71
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	2.35	9.87	79.71
Stockton, CA	CO	Maintenance	100	-	-0.33	-4.04	-11.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.27	-3.21	-9.37
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-0.06	-0.73	-2.14
Tioga County, PA	Ozone	Maintenance	100	-	-0.03	-0.33	-0.97
Toledo, OH	Ozone	Maintenance	100	-	15.15	63.65	513.74
Toms River, NJ	CO	Maintenance	100	-	-0.07	-0.81	-2.35
Tooele County, UT	SO _x	Nonattainment	100	-	-0.06	-0.72	-2.10
Trenton, NJ	CO	Maintenance	100	-	-0.05	-0.61	-1.79
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.08
Tucson, AZ	CO	Maintenance	100	-	-0.62	-7.54	-22.00
Utah County, UT	PM ₁₀	Moderate	100	-	-0.30	-3.68	-10.74
Vancouver, WA	CO	Maintenance	100	-	-0.21	-2.51	-7.32
Ventura County, CA	Ozone	Serious	50	-	-0.41	-6.24	-14.60
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.12
Vigo County, IN	SO _x	Maintenance	100	-	-0.06	-0.73	-2.14
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.03	-0.37	-1.08
Warren County, NJ	SO _x	Maintenance	100	-	-0.02	-0.25	-0.73
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.08	-0.23
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.11	-1.39	-4.04
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.93	-11.25	-32.79

Appendix B

Table B.1-104
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-3.33	-40.30	-117.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-3.26	-39.36	-114.78
Washoe County, NV	PM ₁₀	Serious	70	-	-0.14	-1.66	-4.84
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.03	-0.07
Wayne County, IN	SO _x	Maintenance	100	-	-0.03	-0.39	-1.14
Wayne County, MI	PM ₁₀	Maintenance	100	-	6.47	27.58	219.44
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.12
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.06	-0.17
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.07	-0.82	-2.39
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.07	-0.82	-2.39
Winston-Salem, NC	CO	Maintenance	100	-	-0.23	-2.82	-8.23
Worcester, MA	CO	Maintenance	100	-	-0.14	-1.68	-4.90
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.65	-1.89
Yakima, WA	CO	Maintenance	100	-	-0.03	-0.32	-0.93
York, PA	Ozone	Maintenance	100	-	-0.26	-3.19	-9.31
York, PA	PM _{2.5}	Nonattainment	100	-	-0.20	-2.47	-7.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.30	-3.68	-10.73
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.12	-1.47	-4.28

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.18
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.14
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.15
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-10.75	-18.47	-49.80
Albuquerque, NM	CO	Maintenance	100	-	-4.36	-7.49	-20.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.82	-3.13	-8.32
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-3.29	-5.66	-15.61
Altoona, PA	Ozone	Maintenance	100	-	-1.64	-2.81	-7.43
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.37	-0.64	-1.91
Anchorage, AK	CO	Maintenance	100	-	-2.86	-4.90	-12.86
Anthony, NM	PM ₁₀	Moderate	100	-	-0.14	-0.25	-0.65
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.13	-0.22	-0.59
Atlanta, GA	Ozone	Moderate	50	-	-52.11	-89.54	-242.15
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-52.19	-89.68	-242.51
Atlantic City, NJ	CO	Maintenance	100	-	-0.19	-0.33	-0.93
Bakersfield, CA	CO	Maintenance	100	-	-6.22	-10.68	-28.26
Baltimore, MD	CO	Maintenance	100	-	-0.13	-0.22	-0.58
Baltimore, MD	Ozone	Moderate	50	-	-12.30	-21.18	-59.70
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-12.30	-21.18	-59.70
Baton Rouge, LA	Ozone	Moderate	50	-	-26.56	-45.55	-118.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-43.98	-75.39	-194.98
Benton County, TN	SO _x	Maintenance	100	-	-0.05	-0.09	-0.23
Benton Harbor, MI	Ozone	Maintenance	100	-	-3.51	-6.02	-15.84
Benzie County, MI	Ozone	Maintenance	100	-	-0.35	-0.60	-1.58
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-2.35	-4.04	-10.65
Billings, MT	CO	Maintenance	100	-	-11.87	-20.36	-52.58
Birmingham, AL	Ozone	Maintenance	100	-	-7.82	-13.44	-36.41

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-7.87	-13.52	-36.63
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-6.66	-11.42	-29.99
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-6.66	-11.42	-29.99
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.29	-0.49	-1.30
Boston, MA	CO	Maintenance	100	-	-3.75	-6.46	-18.14
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-17.69	-30.49	-87.41
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.76	-3.04	-8.94
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.69	-1.19	-3.07
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-7.43	-12.77	-34.93
Burlington, NJ	CO	Maintenance	100	-	-0.04	-0.06	-0.17
Butte, MT	PM ₁₀	Moderate	100	-	-1.00	-1.71	-4.44
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.45	-0.76	-2.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.28	-9.05	-23.85
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.28	-9.05	-23.85
Case County, MI	Ozone	Maintenance	100	-	-0.68	-1.16	-3.07
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.08
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.22	-0.38	-0.99
Charleston, WV	Ozone	Maintenance	100	-	-1.74	-2.99	-8.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.74	-2.99	-8.21
Charlotte, NC	CO	Maintenance	100	-	-3.88	-6.67	-18.43
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-13.96	-23.98	-64.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-12.37	-21.22	-55.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-11.33	-19.43	-50.93
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-43.88	-75.43	-206.52
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-46.33	-79.64	-217.78
Chico, CA	CO	Maintenance	100	-	-0.87	-1.49	-4.02
Chico, CA	Ozone	Former Subpart 1	50	-	-2.03	-3.49	-9.40
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-13.60	-23.38	-63.67

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-12.69	-21.81	-59.52
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.16	-0.28	-0.75
Clark County, NV	PM ₁₀	Serious	70	-	-7.89	-13.58	-37.49
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-6.82	-11.70	-30.60
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-3.85	-6.60	-17.32
Cleveland, OH	CO	Maintenance	100	-	-7.25	-12.46	-33.77
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-14.80	-25.45	-70.10
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-13.59	-23.37	-64.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.15	-1.99	-6.17
Colbert County, AL	SO _x	Maintenance	100	-	-1.17	-2.01	-5.28
Colorado Springs, CO	CO	Maintenance	100	-	-8.48	-14.56	-38.52
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.12	-0.21	-0.56
Columbia, SC	Ozone	Former Subpart 1	50	-	-13.64	-23.41	-61.45
Columbus, OH	Ozone	Maintenance	100	-	-15.13	-25.98	-69.80
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-13.00	-22.33	-60.19
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.04	-0.11
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-7.25	-12.46	-33.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	-5.91	-10.15	-27.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-49.69	-85.40	-231.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-6.70	-11.52	-31.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-5.81	-9.99	-27.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-13.60	-23.40	-65.36
Denver-Boulder, CO	CO	Maintenance	100	-	-13.29	-22.87	-63.78
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-23.65	-40.65	-110.86
Detroit, MI	CO	Maintenance	100	-	-15.15	-26.02	-69.87
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-37.26	-64.01	-172.99
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-35.70	-61.35	-165.96

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Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.10	-0.18	-0.52
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.28	-0.48	-1.30
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.22	-0.38	-1.02
Duluth, MN	CO	Maintenance	100	-	-1.53	-2.63	-6.91
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.17	-0.29	-0.77
East Chicago, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.07
East Chicago, IN	PM ₁₀	Maintenance	100	-	-8.87	-15.21	-39.56
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.09
El Paso County, TX	PM ₁₀	Moderate	100	-	-5.65	-9.70	-25.82
El Paso, TX	CO	Maintenance	100	-	-0.30	-0.52	-1.40
Erie, PA	Ozone	Maintenance	100	-	-1.71	-2.94	-7.99
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-4.24	-7.27	-19.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-4.05	-6.94	-18.27
Evansville, IN	Ozone	Maintenance	100	-	-2.82	-4.85	-12.94
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-4.66	-8.00	-21.20
Fairbanks, AK	CO	Maintenance	100	-	-0.57	-0.98	-2.55
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.55	-2.66	-7.37
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.16	-0.28	-0.74
Flint, MI	Ozone	Maintenance	100	-	-3.59	-6.17	-16.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.11
Fort Collins, CO	CO	Maintenance	100	-	-1.99	-3.42	-9.11
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Fort Wayne, IN	Ozone	Maintenance	100	-	-7.87	-13.50	-35.42
Franklin County, PA	Ozone	Maintenance	100	-	-2.79	-4.78	-12.59
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.07
Frederick County, VA	Ozone	Former Subpart 1	50	-	-4.39	-7.53	-19.63
Fredericksburg, VA	Ozone	Maintenance	100	-	-4.56	-7.82	-20.85

Appendix B

**Table B.1-105
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.29
Fresno, CA	CO	Maintenance	100	-	-2.72	-4.69	-13.08
Grand Rapids, MI	Ozone	Maintenance	100	-	-7.84	-13.46	-36.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.64	-1.10	-2.92
Grant County, NM	SO _x	Maintenance	100	-	-0.08	-0.14	-0.35
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.61	-1.05	-2.75
Great Falls, MT	CO	Maintenance	100	-	-0.59	-1.01	-2.64
Greater Connecticut, CT	Ozone	Moderate	50	-	-9.48	-16.30	-44.89
Greeley, CO	CO	Maintenance	100	-	-2.82	-4.84	-12.68
Green Bay, WI	SO _x	Maintenance	100	-	-1.06	-1.83	-4.92
Greene County, IN	Ozone	Maintenance	100	-	-1.74	-2.99	-7.78
Greene County, PA	Ozone	Maintenance	100	-	-1.21	-2.07	-5.41
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-13.00	-22.33	-60.38
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-5.90	-10.13	-27.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-22.39	-38.41	-100.55
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.15	-0.25	-0.68
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.18	-2.02	-5.41
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-4.97	-8.54	-23.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-4.86	-8.36	-22.90
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-5.26	-9.06	-25.20
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.27
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.30	-0.52	-1.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.10
Hazelwood, PA	SO _x	Maintenance	100	-	-0.46	-0.79	-2.11
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.29	-2.22	-6.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.29	-3.94	-10.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-168.36	-288.77	-753.78
Humphreys County, TN	SO _x	Maintenance	100	-	-0.07	-0.13	-0.33
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.38	-31.51	-81.73
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-15.05	-25.81	-66.80
Huron County, MI	Ozone	Maintenance	100	-	-0.46	-0.78	-2.07
Imperial County, CA	Ozone	Moderate	50	-	-1.38	-2.38	-6.49
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.35	-2.32	-6.34
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.40	-0.69	-1.84
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Indianapolis, IN	Ozone	Maintenance	100	-	-18.77	-32.25	-86.53
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-14.37	-24.69	-66.34
Jackson County, IN	Ozone	Maintenance	100	-	-2.73	-4.69	-12.22
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.55	-2.66	-7.12
Jefferson County, NY	Ozone	Moderate	50	-	-0.64	-1.11	-3.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.26	-0.44	-1.16
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-6.39	-10.97	-28.64
Johnstown, PA	Ozone	Maintenance	100	-	-1.36	-2.34	-6.22
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.79	-3.08	-8.13
Juneau, AK	PM ₁₀	Moderate	100	-	-0.44	-0.75	-1.94
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-6.31	-10.84	-28.82
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.67	-1.15	-3.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	-26.81	-46.00	-121.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.17	-0.29	-1.00
Kent, WA	PM ₁₀	Maintenance	100	-	-0.24	-0.42	-1.12
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.98	-1.69	-4.50
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.18	-0.31	-0.85
King County, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.47
Klamath Falls, OR	CO	Maintenance	100	-	-1.10	-1.89	-4.97

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.10	-1.89	-4.97
Knoxville, TN	Ozone	Former Subpart 1	50	-	-24.48	-41.99	-110.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-20.17	-34.60	-90.74
La Porte County, IN	SO _x	Maintenance	100	-	-0.79	-1.35	-3.54
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.41	-0.70	-1.84
Lake County, IN	SO _x	Maintenance	100	-	-4.50	-7.72	-20.44
Lake County, OH	SO _x	Maintenance	100	-	-0.13	-0.23	-0.66
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.15	-0.25	-0.66
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.06	-0.10	-0.31
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.14	-0.24	-0.73
Lake Tahoe, NV	CO	Maintenance	100	-	-0.12	-0.21	-0.57
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.48	-0.82	-2.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Lancaster, PA	Ozone	Maintenance	100	-	-1.63	-2.81	-8.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.63	-2.81	-8.03
Lane County, OR	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.13
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.16	-3.73	-10.43
LaPorte, IN	Ozone	Maintenance	100	-	-2.20	-3.78	-9.91
Las Vegas, NV	CO	Serious	100	-	-7.89	-13.58	-37.49
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-8.02	-13.79	-38.08
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.37	-0.64	-1.80
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.17
Libby, MT	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.27
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.08	-0.14	-0.36
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.16	-0.28	-0.75
Lima, OH	Ozone	Maintenance	100	-	-4.98	-8.53	-22.19
Longmont, CO	CO	Maintenance	100	-	-0.22	-0.37	-1.12
Lorain County, OH	SO _x	Maintenance	100	-	-0.23	-0.40	-1.11

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**Table B.1-105
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-83.60	-143.78	-396.50
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-83.60	-143.78	-396.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-83.60	-143.78	-396.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-83.60	-143.79	-396.51
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-83.59	-143.78	-396.48
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.89	-4.98	-14.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-8.47	-14.55	-39.47
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-8.53	-14.66	-39.68
Lowell, MA	CO	Maintenance	100	-	-0.41	-0.71	-2.03
Lucas County, OH	SO _x	Maintenance	100	-	-2.20	-3.78	-10.27
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.32	-0.54	-1.51
Macon, GA	Ozone	Maintenance	100	-	-4.92	-8.44	-22.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	-4.88	-8.38	-21.95
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.04	-0.06	-0.17
Madison, WI	SO _x	Maintenance	100	-	-1.76	-3.02	-8.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.10	-0.17	-0.47
Manchester, NH	CO	Maintenance	100	-	-0.13	-0.22	-0.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.34	-0.58	-1.68
Marion County, IN	SO _x	Maintenance	100	-	-4.26	-7.31	-19.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.52	-0.89	-2.48
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-5.54	-9.50	-25.04
Mason County, MI	Ozone	Maintenance	100	-	-0.35	-0.60	-1.59
Medford, OR	CO	Maintenance	100	-	-0.25	-0.43	-1.24
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.60	-1.03	-2.96
Memphis, TN-AR	Ozone	Maintenance	100	-	-12.92	-22.17	-58.90
Memphis, TN	CO	Maintenance	100	-	-8.48	-14.57	-39.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.26	-0.44	-1.18

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Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.06	-0.10	-0.27
Milwaukee, WI	SO _x	Maintenance	100	-	-3.83	-6.59	-17.91
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-11.41	-19.62	-53.62
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-42.18	-72.39	-191.49
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-31.29	-53.73	-143.27
Missoula, MT	CO	Maintenance	100	-	-2.46	-4.22	-10.98
Missoula, MT	PM ₁₀	Moderate	100	-	-2.38	-4.09	-10.64
Modesto, CA	CO	Maintenance	100	-	-2.58	-4.43	-11.91
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.79	-1.36	-3.68
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.13
Morristown, NJ	CO	Maintenance	100	-	-0.12	-0.20	-0.58
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.55	-0.94	-2.48
Muncie, IN	Ozone	Maintenance	100	-	-3.93	-6.74	-17.58
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.07	-0.12	-0.32
Muscatine County, IA	SO _x	Maintenance	100	-	-0.27	-0.47	-1.24
Muskegon, MI	Ozone	Maintenance	100	-	-2.08	-3.57	-9.42
Nashua, NH	CO	Maintenance	100	-	-0.10	-0.17	-0.56
Nashville, TN	Ozone	Former Subpart 1	50	-	-11.97	-20.57	-55.80
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.73	-1.25	-3.44
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.96	-3.36	-8.90
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-10.89	-18.70	-49.56
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.15	-0.26	-0.68
New York County, NY	PM ₁₀	Moderate	100	-	-20.61	-35.34	-91.87
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-88.00	-151.10	-403.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-130.05	-223.40	-601.46
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-126.93	-218.05	-587.46
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.32	-0.54	-1.47

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Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-17.97	-30.85	-82.24
Ogden, UT	CO	Maintenance	100	-	-0.33	-0.57	-1.58
Ogden, UT	PM ₁₀	Moderate	100	-	-0.33	-0.57	-1.58
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.08
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.26	-0.44	-1.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.79	-1.35	-3.67
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.03	-0.06	-0.15
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-2.61	-4.48	-11.80
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.77	-4.75	-12.50
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.29	-0.79
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.39	-0.67	-1.91
Perth Amboy, NJ	CO	Maintenance	100	-	-0.82	-1.40	-3.75
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-2.39	-4.10	-11.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-58.63	-100.64	-267.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-69.12	-118.70	-317.22
Phoenix, AZ	CO	Maintenance	100	-	-15.10	-26.03	-74.66
Phoenix, AZ	PM ₁₀	Serious	70	-	-15.70	-27.06	-77.56
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-15.76	-27.16	-77.85
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.34	-0.58	-1.51
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.10
Pittsburgh, PA	CO	Maintenance	100	-	-0.26	-0.44	-1.17
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-21.51	-36.94	-98.71
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-18.21	-31.27	-83.80
Polk County, TN	SO _x	Maintenance	100	-	-0.46	-0.79	-2.06
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.12
Portland, ME	Ozone	Maintenance	100	-	-4.43	-7.62	-20.60

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**Table B.1-105
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-7.37	-12.67	-34.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.96	-1.66	-4.34
Poughkeepsie, NY	Ozone	Moderate	50	-	-6.41	-11.02	-30.70
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.16	-0.28	-0.73
Providence (entire State), RI	Ozone	Moderate	50	-	-10.01	-17.19	-46.00
Provo, UT	CO	Maintenance	100	-	-1.08	-1.85	-5.05
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.32	-9.17	-25.82
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-8.19	-14.10	-39.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.13
Reading, PA	Ozone	Maintenance	100	-	-2.59	-4.46	-12.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	-2.59	-4.46	-12.07
Reno, NV	CO	Maintenance	100	-	-1.76	-3.02	-8.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.03	-0.07
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-8.52	-14.64	-39.86
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.35	-0.60	-1.63
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.15	-1.99	-6.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	-4.01	-6.88	-18.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.94	-1.62	-4.31
Rochester, NY	Ozone	Former Subpart 1	50	-	-8.32	-14.31	-39.20
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.22	-3.82	-10.17
Rome, GA	PM _{2.5}	Nonattainment	100	-	-2.42	-4.15	-10.90
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.05	-0.08	-0.22
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.78	-9.95	-28.12
Sacramento Metro, CA	Ozone	Severe	25	-	-13.90	-23.92	-66.03
Sacramento, CA	CO	Maintenance	100	-	-6.47	-11.14	-31.45
Salem, OR	CO	Maintenance	100	-	-0.71	-1.23	-3.39
Salt Lake City, UT	CO	Maintenance	100	-	-1.52	-2.61	-7.08

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Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.15	-8.86	-24.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.57	-7.87	-22.05
San Antonio, TX	Ozone	Former Subpart 1	50	-	-32.67	-56.06	-147.63
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.44	-2.47	-7.10
San Diego, CA	CO	Maintenance	100	-	-12.20	-21.04	-61.14
San Diego, CA	Ozone	Former Subpart 1	50	-	-12.22	-21.08	-61.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-59.24	-101.74	-273.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-61.57	-105.77	-284.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	-34.56	-59.38	-160.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-34.80	-59.79	-161.66
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-34.56	-59.38	-160.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.16	-0.27	-0.76
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.10
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-6.01	-10.32	-27.77
Seattle-Tacoma, WA	CO	Maintenance	100	-	-27.29	-46.87	-125.87
Sheboygan, WI	Ozone	Moderate	50	-	-0.91	-1.57	-4.25
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.78	-1.33	-3.47
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-4.23	-7.27	-19.51
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.91	-1.57	-4.37
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.55	-6.10	-16.23
Spokane, WA	CO	Maintenance	100	-	-3.52	-6.04	-16.07
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.40	-5.86	-16.65
Springfield, MA	CO	Maintenance	100	-	-0.61	-1.04	-2.94
St. Louis, MO	CO	Maintenance	100	-	-20.00	-34.31	-90.05
St. Louis, MO-IL	Ozone	Moderate	50	-	-50.54	-86.72	-228.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-50.44	-86.56	-228.22

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Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.49	-0.84	-2.46
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.22	-0.38	-1.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-1.41	-2.43	-6.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-3.59	-6.16	-16.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-3.59	-6.16	-16.04
Stockton, CA	CO	Maintenance	100	-	-2.97	-5.10	-13.91
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-7.78	-13.35	-35.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-3.24	-5.55	-14.55
Tioga County, PA	Ozone	Maintenance	100	-	-0.30	-0.52	-1.43
Toledo, OH	Ozone	Maintenance	100	-	-9.68	-16.60	-43.75
Toms River, NJ	CO	Maintenance	100	-	-0.33	-0.57	-1.63
Tooele County, UT	SO _x	Nonattainment	100	-	-1.69	-2.90	-7.65
Trenton, NJ	CO	Maintenance	100	-	-0.39	-0.66	-1.86
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Tucson, AZ	CO	Maintenance	100	-	-7.30	-12.55	-34.01
Utah County, UT	PM ₁₀	Moderate	100	-	-3.24	-5.57	-15.18
Vancouver, WA	CO	Maintenance	100	-	-1.86	-3.20	-8.75
Ventura County, CA	Ozone	Serious	50	-	-2.93	-5.05	-14.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.32	-0.54	-1.41
Vigo County, IN	SO _x	Maintenance	100	-	-3.24	-5.55	-14.55
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.21	-0.36	-1.03
Warren County, NJ	SO _x	Maintenance	100	-	-0.14	-0.24	-0.69
Warren County, PA	SO _x	Nonattainment	100	-	-0.10	-0.17	-0.47
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-3.87	-6.64	-17.49
Washington, DC-MD-VA	CO	Maintenance	100	-	-5.33	-9.19	-26.40

Appendix B

Table B.1-105							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-21.52	-37.05	-104.66
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-20.16	-34.73	-98.49
Washoe County, NV	PM ₁₀	Serious	70	-	-1.76	-3.02	-8.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.12	-0.20	-0.52
Wayne County, IN	SO _x	Maintenance	100	-	-1.40	-2.40	-6.33
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.75	-4.72	-12.29
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.24	-0.41	-1.08
Weirton, WV	SO _x	Maintenance	100	-	-0.32	-0.55	-1.43
Wheeling, WV-OH	Ozone	Maintenance	100	-	-3.50	-6.01	-15.74
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-3.50	-6.01	-15.74
Winston-Salem, NC	CO	Maintenance	100	-	-3.51	-6.02	-16.23
Worcester, MA	CO	Maintenance	100	-	-0.66	-1.15	-3.32
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.55	-2.66	-7.00
Yakima, WA	CO	Maintenance	100	-	-0.62	-1.06	-2.80
York, PA	Ozone	Maintenance	100	-	-3.71	-6.37	-17.19
York, PA	PM _{2.5}	Nonattainment	100	-	-2.42	-4.16	-11.31
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-4.80	-8.25	-22.38
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.70	-2.92	-7.83

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.10	-0.18	-0.44
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.14	-0.37
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.07	-0.14	-0.38
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-25.49	-48.59	-129.02
Albuquerque, NM	CO	Maintenance	100	-	-10.33	-19.72	-53.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	-4.33	-8.22	-20.87
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-7.77	-14.92	-42.33
Altoona, PA	Ozone	Maintenance	100	-	-3.91	-7.40	-18.39
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.84	-1.67	-6.08
Anchorage, AK	CO	Maintenance	100	-	-6.74	-12.75	-31.24
Anthony, NM	PM ₁₀	Moderate	100	-	-0.34	-0.64	-1.56
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.05	-0.18
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.31	-0.59	-1.44
Atlanta, GA	Ozone	Moderate	50	-	-123.33	-235.37	-631.82
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-123.51	-235.71	-632.65
Atlantic City, NJ	CO	Maintenance	100	-	-0.44	-0.86	-2.67
Bakersfield, CA	CO	Maintenance	100	-	-14.56	-27.60	-69.45
Baltimore, MD	CO	Maintenance	100	-	-0.31	-0.59	-1.49
Baltimore, MD	Ozone	Moderate	50	-	-28.87	-55.88	-168.90
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-28.87	-55.88	-168.90
Baton Rouge, LA	Ozone	Moderate	50	-	-63.40	-119.48	-284.46
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-105.11	-197.66	-460.01
Benton County, TN	SO _x	Maintenance	100	-	-0.12	-0.23	-0.54
Benton Harbor, MI	Ozone	Maintenance	100	-	-8.37	-15.83	-38.84
Benzie County, MI	Ozone	Maintenance	100	-	-0.83	-1.57	-3.92
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-5.60	-10.59	-26.35
Billings, MT	CO	Maintenance	100	-	-28.40	-53.40	-123.80
Birmingham, AL	Ozone	Maintenance	100	-	-18.55	-35.41	-95.14

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-18.67	-35.64	-95.70
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-15.86	-29.98	-73.34
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-15.86	-29.98	-73.34
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.70	-1.32	-3.25
Boston, MA	CO	Maintenance	100	-	-8.88	-17.16	-50.97
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-41.45	-80.68	-254.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-4.08	-8.03	-27.24
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.68	-3.15	-7.39
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-17.59	-33.68	-93.03
Burlington, NJ	CO	Maintenance	100	-	-0.08	-0.15	-0.46
Butte, MT	PM ₁₀	Moderate	100	-	-2.38	-4.48	-10.59
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.07	-2.03	-4.92
Canton-Massillon, OH	Ozone	Maintenance	100	-	-12.58	-23.79	-58.68
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-12.58	-23.79	-58.68
Case County, MI	Ozone	Maintenance	100	-	-1.61	-3.06	-7.62
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.04	-0.08	-0.19
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.53	-1.00	-2.39
Charleston, WV	Ozone	Maintenance	100	-	-4.13	-7.91	-21.92
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-4.13	-7.91	-21.92
Charlotte, NC	CO	Maintenance	100	-	-9.12	-17.54	-50.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-33.08	-63.05	-167.25
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-29.50	-55.72	-135.52
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-27.01	-51.00	-124.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-103.66	-198.62	-552.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-109.48	-209.68	-580.87
Chico, CA	CO	Maintenance	100	-	-2.08	-3.97	-10.60
Chico, CA	Ozone	Former Subpart 1	50	-	-4.80	-9.15	-24.43
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-32.20	-61.58	-168.25

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-30.02	-57.45	-157.98
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.38	-0.73	-1.86
Clark County, NV	PM ₁₀	Serious	70	-	-18.57	-35.70	-102.41
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-16.27	-30.70	-74.12
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-9.17	-17.33	-42.28
Cleveland, OH	CO	Maintenance	100	-	-17.23	-32.88	-88.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-35.01	-67.18	-189.26
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-32.15	-61.71	-173.96
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.59	-5.22	-20.66
Colbert County, AL	SO _x	Maintenance	100	-	-2.79	-5.27	-12.93
Colorado Springs, CO	CO	Maintenance	100	-	-20.18	-38.23	-95.93
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.30	-0.56	-1.37
Columbia, SC	Ozone	Former Subpart 1	50	-	-32.51	-61.43	-150.08
Columbus, OH	Ozone	Maintenance	100	-	-35.84	-68.25	-179.69
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-30.78	-58.67	-156.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.11	-0.29
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-17.23	-32.88	-88.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	-14.09	-26.88	-72.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-117.39	-224.36	-610.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-15.91	-30.35	-81.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-13.80	-26.32	-70.51
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-31.92	-61.60	-182.00
Denver-Boulder, CO	CO	Maintenance	100	-	-31.21	-60.20	-177.02
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-55.84	-106.89	-294.44
Detroit, MI	CO	Maintenance	100	-	-35.70	-67.93	-177.69
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-88.35	-168.51	-450.02
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-84.64	-161.50	-432.74

Appendix B

Table B.1-106							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.24	-0.47	-1.58
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.65	-1.23	-3.32
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.51	-0.98	-2.62
Duluth, MN	CO	Maintenance	100	-	-3.66	-6.93	-17.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.41	-0.77	-1.89
East Chicago, IN	CO	Maintenance	100	-	-0.04	-0.07	-0.18
East Chicago, IN	PM ₁₀	Maintenance	100	-	-21.18	-39.90	-94.54
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.05	-0.09	-0.22
El Paso County, TX	PM ₁₀	Moderate	100	-	-13.33	-25.31	-64.77
El Paso, TX	CO	Maintenance	100	-	-0.71	-1.35	-3.52
Erie, PA	Ozone	Maintenance	100	-	-4.06	-7.76	-20.92
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	-10.16	-19.21	-47.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-9.71	-18.36	-45.20
Evansville, IN	Ozone	Maintenance	100	-	-6.71	-12.75	-32.75
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-11.08	-20.99	-52.68
Fairbanks, AK	CO	Maintenance	100	-	-1.35	-2.55	-6.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.65	-7.02	-20.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.39	-0.74	-1.80
Flint, MI	Ozone	Maintenance	100	-	-8.51	-16.27	-44.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.27
Fort Collins, CO	CO	Maintenance	100	-	-4.72	-8.96	-23.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.17
Fort Wayne, IN	Ozone	Maintenance	100	-	-18.76	-35.44	-86.44
Franklin County, PA	Ozone	Maintenance	100	-	-6.64	-12.56	-30.94
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.17
Frederick County, VA	Ozone	Former Subpart 1	50	-	-10.48	-19.75	-47.19
Fredericksburg, VA	Ozone	Maintenance	100	-	-10.80	-20.52	-52.81

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.14	-0.28	-0.87
Fresno, CA	CO	Maintenance	100	-	-6.30	-12.16	-35.92
Grand Rapids, MI	Ozone	Maintenance	100	-	-18.59	-35.37	-92.32
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.51	-2.86	-7.13
Grant County, NM	SO _x	Maintenance	100	-	-0.19	-0.35	-0.84
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.04	-0.09
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.46	-2.77	-6.81
Great Falls, MT	CO	Maintenance	100	-	-1.40	-2.63	-6.32
Greater Connecticut, CT	Ozone	Moderate	50	-	-22.42	-43.03	-121.15
Greeley, CO	CO	Maintenance	100	-	-6.75	-12.75	-30.98
Green Bay, WI	SO _x	Maintenance	100	-	-2.50	-4.76	-12.61
Greene County, IN	Ozone	Maintenance	100	-	-4.16	-7.84	-18.68
Greene County, PA	Ozone	Maintenance	100	-	-2.88	-5.43	-13.11
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-30.83	-58.81	-157.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-13.98	-26.70	-72.23
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-53.42	-100.84	-244.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.35	-0.66	-1.83
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.79	-5.31	-13.77
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-11.72	-22.48	-63.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-11.48	-22.01	-61.28
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-12.43	-23.93	-69.39
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.14	-0.26	-0.74
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.72	-1.37	-3.69
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.05	-0.10	-0.29
Hazelwood, PA	SO _x	Maintenance	100	-	-1.11	-2.10	-5.38
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-3.07	-5.87	-15.90
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-5.45	-10.39	-27.86
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.13

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-401.59	-757.48	-1,818.26
Humphreys County, TN	SO _x	Maintenance	100	-	-0.18	-0.34	-0.81
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-43.90	-82.64	-194.16
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-35.98	-67.68	-157.88
Huron County, MI	Ozone	Maintenance	100	-	-1.09	-2.06	-5.13
Imperial County, CA	Ozone	Moderate	50	-	-3.26	-6.24	-17.31
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.18	-6.10	-16.92
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.91	-1.72	-4.41
Indianapolis, IN	CO	Maintenance	100	-	-0.03	-0.06	-0.15
Indianapolis, IN	Ozone	Maintenance	100	-	-44.53	-84.76	-222.01
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-34.08	-64.90	-170.72
Jackson County, IN	Ozone	Maintenance	100	-	-6.52	-12.30	-29.36
Jamestown, NY	Ozone	Former Subpart 1	50	-	-3.68	-7.00	-18.18
Jefferson County, NY	Ozone	Moderate	50	-	-1.52	-2.92	-8.38
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.61	-1.15	-2.76
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-15.26	-28.79	-69.14
Johnstown, PA	Ozone	Maintenance	100	-	-3.26	-6.17	-15.55
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-4.26	-8.07	-20.05
Juneau, AK	PM ₁₀	Moderate	100	-	-1.05	-1.98	-4.70
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-15.02	-28.50	-72.36
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.60	-3.02	-7.35
Kansas City, MO-KS	Ozone	Maintenance	100	-	-63.80	-120.77	-300.28
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.37	-0.78	-3.74
Kent, WA	PM ₁₀	Maintenance	100	-	-0.59	-1.12	-2.92
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.24	-4.25	-10.88
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.43	-0.83	-2.24
King County, WA	PM ₁₀	Maintenance	100	-	-0.24	-0.46	-1.20
Klamath Falls, OR	CO	Maintenance	100	-	-2.64	-4.98	-12.12

Appendix B

Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-2.64	-4.98	-12.12
Knoxville, TN	Ozone	Former Subpart 1	50	-	-58.29	-110.16	-269.43
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-48.06	-90.78	-221.22
La Porte County, IN	SO _x	Maintenance	100	-	-1.88	-3.55	-8.63
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.99	-1.87	-4.51
Lake County, IN	SO _x	Maintenance	100	-	-10.67	-20.21	-50.58
Lake County, OH	SO _x	Maintenance	100	-	-0.32	-0.62	-1.90
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.35	-0.66	-1.61
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.13	-0.27	-1.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.33	-0.65	-2.34
Lake Tahoe, NV	CO	Maintenance	100	-	-0.28	-0.54	-1.51
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.14	-2.15	-5.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.13
Lancaster, PA	Ozone	Maintenance	100	-	-3.83	-7.44	-23.19
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.83	-7.44	-23.19
Lane County, OR	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.30
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-5.10	-9.84	-29.07
LaPorte, IN	Ozone	Maintenance	100	-	-5.26	-9.93	-24.15
Las Vegas, NV	CO	Serious	100	-	-18.57	-35.70	-102.41
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-18.84	-36.23	-103.93
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.87	-1.69	-5.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.09	-0.17	-0.40
Libby, MT	PM ₁₀	Moderate	100	-	-0.14	-0.27	-0.68
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.19	-0.36	-0.90
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.38	-0.73	-1.86
Lima, OH	Ozone	Maintenance	100	-	-11.89	-22.39	-52.96
Longmont, CO	CO	Maintenance	100	-	-0.51	-1.00	-3.53
Lorain County, OH	SO _x	Maintenance	100	-	-0.55	-1.06	-3.05

Appendix B

**Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-196.95	-378.38	-1,076.42
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-196.95	-378.38	-1,076.42
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-196.95	-378.38	-1,076.42
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-196.95	-378.39	-1,076.44
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-196.94	-378.36	-1,076.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-6.79	-13.14	-39.56
Louisville, KY-IN	Ozone	Maintenance	100	-	-20.08	-38.34	-103.41
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-20.23	-38.60	-103.51
Lowell, MA	CO	Maintenance	100	-	-0.99	-1.93	-5.97
Lucas County, OH	SO _x	Maintenance	100	-	-5.22	-9.97	-26.95
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.75	-1.44	-4.14
Macon, GA	Ozone	Maintenance	100	-	-11.74	-22.18	-53.83
Macon, GA	PM _{2.5}	Nonattainment	100	-	-11.65	-22.00	-53.40
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.09	-0.17	-0.42
Madison, WI	SO _x	Maintenance	100	-	-4.18	-7.99	-21.69
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.24	-0.46	-1.20
Manchester, NH	CO	Maintenance	100	-	-0.28	-0.58	-2.37
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.80	-1.55	-4.93
Marion County, IN	SO _x	Maintenance	100	-	-10.12	-19.19	-48.36
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.21	-2.33	-6.89
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-13.19	-24.96	-61.71
Mason County, MI	Ozone	Maintenance	100	-	-0.83	-1.57	-3.97
Medford, OR	CO	Maintenance	100	-	-0.58	-1.14	-3.68
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.39	-2.72	-8.77
Memphis, TN-AR	Ozone	Maintenance	100	-	-30.75	-58.32	-147.59
Memphis, TN	CO	Maintenance	100	-	-20.16	-38.37	-100.63
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.61	-1.16	-3.07

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Table B.1-106
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.14	-0.26	-0.68
Milwaukee, WI	SO _x	Maintenance	100	-	-9.19	-17.55	-47.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-26.98	-51.67	-142.87
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-100.36	-190.11	-476.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-74.33	-141.18	-362.54
Missoula, MT	CO	Maintenance	100	-	-5.86	-11.04	-26.22
Missoula, MT	PM ₁₀	Moderate	100	-	-5.68	-10.69	-25.40
Modesto, CA	CO	Maintenance	100	-	-6.06	-11.56	-30.77
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.88	-3.59	-9.67
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.18
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.07	-0.13	-0.34
Morristown, NJ	CO	Maintenance	100	-	-0.29	-0.55	-1.71
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.31	-2.48	-6.10
Muncie, IN	Ozone	Maintenance	100	-	-9.39	-17.70	-42.27
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.17	-0.32	-0.79
Muscatine County, IA	SO _x	Maintenance	100	-	-0.66	-1.25	-3.07
Muskegon, MI	Ozone	Maintenance	100	-	-4.95	-9.37	-23.30
Nashua, NH	CO	Maintenance	100	-	-0.23	-0.46	-1.89
Nashville, TN	Ozone	Former Subpart 1	50	-	-28.32	-54.10	-146.52
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.70	-3.26	-9.41
New Haven County, CT	PM ₁₀	Maintenance	100	-	-4.83	-9.15	-22.92
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-25.93	-49.13	-123.61
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.37	-0.69	-1.67
New York County, NY	PM ₁₀	Moderate	100	-	-49.21	-92.70	-219.37
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-209.30	-397.47	-1,019.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-308.60	-587.87	-1,552.55
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-301.16	-573.85	-1,518.58
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.75	-1.43	-3.83

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Table B.1-106
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Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-42.73	-81.14	-207.83
Ogden, UT	CO	Maintenance	100	-	-0.78	-1.50	-4.39
Ogden, UT	PM ₁₀	Moderate	100	-	-0.78	-1.50	-4.39
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.20
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.58	-1.11	-2.83
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.85	-3.54	-9.60
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.08	-0.15	-0.40
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-6.22	-11.77	-29.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-6.61	-12.49	-30.70
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.40	-0.77	-2.03
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-0.92	-1.79	-5.46
Perth Amboy, NJ	CO	Maintenance	100	-	-2.00	-3.81	-9.81
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-5.66	-10.85	-30.20
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-139.52	-264.54	-668.29
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-164.28	-312.19	-805.97
Phoenix, AZ	CO	Maintenance	100	-	-34.84	-68.05	-220.12
Phoenix, AZ	PM ₁₀	Serious	70	-	-36.24	-70.75	-228.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-36.36	-70.99	-229.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.80	-1.50	-3.60
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.25
Pittsburgh, PA	CO	Maintenance	100	-	-0.64	-1.22	-3.11
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-51.16	-97.21	-250.59
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-43.29	-82.33	-214.04
Polk County, TN	SO _x	Maintenance	100	-	-1.09	-2.06	-5.03
Polson, MT	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.32
Portland, ME	Ozone	Maintenance	100	-	-10.50	-20.03	-53.63

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-17.44	-33.41	-92.47
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-2.29	-4.33	-10.55
Poughkeepsie, NY	Ozone	Moderate	50	-	-15.03	-28.99	-85.10
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.39	-0.74	-1.82
Providence (entire State), RI	Ozone	Moderate	50	-	-23.77	-45.19	-117.22
Provo, UT	CO	Maintenance	100	-	-2.57	-4.92	-13.53
Raleigh-Durham, NC	CO	Maintenance	100	-	-12.47	-24.14	-73.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-19.24	-37.12	-109.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.07	-0.13	-0.32
Reading, PA	Ozone	Maintenance	100	-	-6.15	-11.74	-31.50
Reading, PA	PM _{2.5}	Nonattainment	100	-	-6.15	-11.74	-31.50
Reno, NV	CO	Maintenance	100	-	-4.14	-7.91	-21.50
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.04	-0.07	-0.17
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-20.18	-38.57	-105.24
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.85	-1.62	-4.38
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.59	-5.22	-20.66
Roanoke, VA	Ozone	Former Subpart 1	50	-	-9.55	-18.08	-45.11
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-2.22	-4.22	-10.78
Rochester, NY	Ozone	Former Subpart 1	50	-	-19.69	-37.73	-104.82
Rocky Mount, NC	Ozone	Maintenance	100	-	-5.29	-10.05	-25.61
Rome, GA	PM _{2.5}	Nonattainment	100	-	-5.77	-10.90	-26.68
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.12
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.11	-0.21	-0.52
Sacramento County, CA	PM ₁₀	Moderate	100	-	-13.47	-26.12	-80.27
Sacramento Metro, CA	Ozone	Severe	25	-	-32.56	-62.64	-180.38
Sacramento, CA	CO	Maintenance	100	-	-15.02	-29.14	-89.54
Salem, OR	CO	Maintenance	100	-	-1.67	-3.21	-9.16
Salt Lake City, UT	CO	Maintenance	100	-	-3.59	-6.87	-18.66

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Table B.1-106							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-12.13	-23.35	-67.60
Salt Lake County, UT	SO _x	Nonattainment	100	-	-10.75	-20.77	-61.65
San Antonio, TX	Ozone	Former Subpart 1	50	-	-77.78	-147.13	-363.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.27	-6.39	-20.50
San Diego, CA	CO	Maintenance	100	-	-28.24	-55.34	-183.36
San Diego, CA	Ozone	Former Subpart 1	50	-	-28.29	-55.44	-183.70
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-140.38	-267.24	-701.07
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-145.81	-277.89	-737.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	-81.75	-156.08	-420.40
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-82.27	-157.06	-422.91
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-81.75	-156.08	-420.40
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.38	-0.72	-2.12
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.23
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-14.27	-27.17	-71.51
Seattle-Tacoma, WA	CO	Maintenance	100	-	-64.60	-123.00	-323.23
Sheboygan, WI	Ozone	Moderate	50	-	-2.16	-4.13	-11.10
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.83	-3.45	-8.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.13	-0.25	-0.82
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-10.04	-19.12	-50.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.10	-4.04	-11.65
Spokane County, WA	PM ₁₀	Maintenance	100	-	-8.41	-15.97	-40.73
Spokane, WA	CO	Maintenance	100	-	-8.33	-15.80	-40.31
Springfield (western MA), MA	Ozone	Moderate	50	-	-7.99	-15.51	-47.70
Springfield, MA	CO	Maintenance	100	-	-1.46	-2.82	-8.42
St. Louis, MO	CO	Maintenance	100	-	-47.78	-90.25	-219.94
St. Louis, MO-IL	Ozone	Moderate	50	-	-120.44	-227.87	-564.01
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-120.21	-227.44	-562.75

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.14	-2.23	-7.43
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.53	-1.00	-2.55
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-3.38	-6.37	-15.22
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-8.58	-16.16	-38.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-8.58	-16.16	-38.47
Stockton, CA	CO	Maintenance	100	-	-7.04	-13.48	-37.27
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-18.53	-35.09	-87.62
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.11
Terre Haute, IN	Ozone	Maintenance	100	-	-7.73	-14.59	-35.32
Tioga County, PA	Ozone	Maintenance	100	-	-0.71	-1.37	-3.90
Toledo, OH	Ozone	Maintenance	100	-	-23.06	-43.62	-107.73
Toms River, NJ	CO	Maintenance	100	-	-0.78	-1.52	-4.83
Tooele County, UT	SO _x	Nonattainment	100	-	-4.02	-7.61	-18.87
Trenton, NJ	CO	Maintenance	100	-	-0.92	-1.78	-5.28
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.15
Tucson, AZ	CO	Maintenance	100	-	-17.27	-32.98	-89.26
Utah County, UT	PM ₁₀	Moderate	100	-	-7.66	-14.65	-40.24
Vancouver, WA	CO	Maintenance	100	-	-4.35	-8.34	-23.38
Ventura County, CA	Ozone	Serious	50	-	-6.82	-13.27	-41.87
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.75	-1.42	-3.36
Vigo County, IN	SO _x	Maintenance	100	-	-7.73	-14.59	-35.32
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.49	-0.96	-2.97
Warren County, NJ	SO _x	Maintenance	100	-	-0.33	-0.64	-1.96
Warren County, PA	SO _x	Nonattainment	100	-	-0.23	-0.45	-1.22
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-9.23	-17.45	-43.00
Washington, DC-MD-VA	CO	Maintenance	100	-	-12.58	-24.50	-77.45

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-50.42	-97.69	-297.49
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-47.21	-91.60	-281.97
Washoe County, NV	PM ₁₀	Serious	70	-	-4.14	-7.91	-21.50
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.27	-0.52	-1.24
Wayne County, IN	SO _x	Maintenance	100	-	-3.35	-6.34	-15.54
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.65	-12.54	-29.83
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.57	-1.08	-2.60
Weirton, WV	SO _x	Maintenance	100	-	-0.75	-1.42	-3.44
Wheeling, WV-OH	Ozone	Maintenance	100	-	-8.36	-15.78	-38.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-8.36	-15.78	-38.30
Winston-Salem, NC	CO	Maintenance	100	-	-8.31	-15.84	-41.98
Worcester, MA	CO	Maintenance	100	-	-1.56	-3.05	-9.95
Yakima County, WA	PM ₁₀	Maintenance	100	-	-3.66	-6.92	-17.17
Yakima, WA	CO	Maintenance	100	-	-1.50	-2.85	-7.06
York, PA	Ozone	Maintenance	100	-	-8.79	-16.76	-44.55
York, PA	PM _{2.5}	Nonattainment	100	-	-5.73	-10.95	-29.84
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-11.40	-21.76	-58.65
Yuma, AZ	PM ₁₀	Moderate	100	-	-4.02	-7.65	-20.10

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.16	-0.42	-1.21
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.11	-0.33	-1.37
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.11	-0.35	-1.42
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-41.18	-122.95	-466.14
Albuquerque, NM	CO	Maintenance	100	-	-16.54	-50.29	-199.48
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.14	-20.41	-68.68
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.05	-38.86	-175.30
Altoona, PA	Ozone	Maintenance	100	-	-6.60	-18.22	-54.70
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.84	-4.85	-41.09
Anchorage, AK	CO	Maintenance	100	-	-11.00	-30.29	-90.15
Anthony, NM	PM ₁₀	Moderate	100	-	-0.54	-1.49	-4.40
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.03	-0.14	-1.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.52	-1.44	-4.30
Atlanta, GA	Ozone	Moderate	50	-	-196.33	-598.14	-2,383.46
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-196.58	-598.81	-2,385.41
Atlantic City, NJ	CO	Maintenance	100	-	-0.64	-2.30	-12.53
Bakersfield, CA	CO	Maintenance	100	-	-23.11	-65.64	-216.45
Baltimore, MD	CO	Maintenance	100	-	-0.57	-1.59	-4.98
Baltimore, MD	Ozone	Moderate	50	-	-42.29	-149.69	-793.64
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-42.29	-149.68	-793.63
Baton Rouge, LA	Ozone	Moderate	50	-	-108.81	-289.06	-750.77
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-182.52	-473.94	-1,112.22
Benton County, TN	SO _x	Maintenance	100	-	-0.20	-0.52	-1.33
Benton Harbor, MI	Ozone	Maintenance	100	-	-14.24	-38.78	-110.84
Benzie County, MI	Ozone	Maintenance	100	-	-1.37	-3.87	-12.47
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-9.37	-26.08	-80.77
Billings, MT	CO	Maintenance	100	-	-49.49	-128.09	-296.04
Birmingham, AL	Ozone	Maintenance	100	-	-29.99	-90.10	-346.97

Appendix B

Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-30.20	-90.67	-348.74
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-26.78	-73.34	-214.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-26.78	-73.34	-214.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.22	-3.39	-10.32
Boston, MA	CO	Maintenance	100	-	-13.66	-46.26	-228.35
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-59.23	-220.51	-1,257.39
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-5.32	-22.61	-150.60
Boyd County (part), KY	SO _x	Maintenance	100	-	-3.07	-7.99	-19.16
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-27.93	-86.72	-360.97
Burlington, NJ	CO	Maintenance	100	-	-0.10	-0.34	-1.76
Butte, MT	PM ₁₀	Moderate	100	-	-4.11	-10.80	-26.81
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.89	-5.15	-14.66
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.28	-58.39	-171.77
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.28	-58.39	-171.77
Case County, MI	Ozone	Maintenance	100	-	-2.71	-7.53	-23.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.08	-0.21	-0.59
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.92	-2.44	-6.27
Charleston, WV	Ozone	Maintenance	100	-	-6.63	-20.41	-83.42
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.63	-20.41	-83.42
Charlotte, NC	CO	Maintenance	100	-	-13.81	-45.86	-218.62
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-53.15	-159.47	-612.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-50.18	-135.98	-382.25
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-45.91	-124.45	-350.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-162.03	-512.56	-2,221.43
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-171.54	-540.25	-2,319.69
Chico, CA	CO	Maintenance	100	-	-3.43	-10.55	-42.94
Chico, CA	Ozone	Former Subpart 1	50	-	-7.54	-23.18	-94.37
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-51.15	-157.75	-646.68

Appendix B

**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-47.51	-147.59	-614.93
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.60	-1.70	-5.61
Clark County, NV	PM ₁₀	Serious	70	-	-27.79	-93.63	-457.90
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-27.67	-74.68	-206.75
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-15.57	-42.34	-120.46
Cleveland, OH	CO	Maintenance	100	-	-28.17	-83.66	-312.89
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-55.01	-174.51	-760.82
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-50.55	-160.35	-698.80
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.37	-15.96	-146.37
Colbert County, AL	SO _x	Maintenance	100	-	-4.75	-12.92	-36.79
Colorado Springs, CO	CO	Maintenance	100	-	-33.55	-94.67	-305.81
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.51	-1.40	-4.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-55.10	-150.25	-431.98
Columbus, OH	Ozone	Maintenance	100	-	-57.74	-172.02	-648.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-49.23	-148.49	-577.71
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.08	-0.25	-0.98
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.12
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-28.17	-83.66	-312.89
Cuyahoga County, OH	SO _x	Maintenance	100	-	-23.42	-69.56	-260.16
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-184.13	-573.21	-2,399.74
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-25.87	-77.04	-290.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-22.41	-66.89	-253.43
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-47.07	-163.23	-838.03
Denver-Boulder, CO	CO	Maintenance	100	-	-46.18	-159.11	-808.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-87.05	-274.69	-1,184.21
Detroit, MI	CO	Maintenance	100	-	-56.12	-163.35	-578.84
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-142.56	-427.52	-1,639.35
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-136.31	-410.33	-1,588.22

Appendix B

Table B.1-107							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.32	-1.33	-8.69
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.95	-2.91	-11.60
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.77	-2.34	-9.35
Duluth, MN	CO	Maintenance	100	-	-6.30	-17.21	-49.71
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.68	-1.88	-5.59
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.17	-0.52
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.48	-96.32	-243.70
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.22	-0.64
El Paso County, TX	PM ₁₀	Moderate	100	-	-21.48	-61.84	-212.32
El Paso, TX	CO	Maintenance	100	-	-1.08	-3.18	-11.70
Erie, PA	Ozone	Maintenance	100	-	-6.57	-19.78	-76.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.07	-0.42
Eugene-Springfield, OR	CO	Maintenance	100	-	-17.49	-48.09	-142.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-16.76	-46.08	-136.43
Evansville, IN	Ozone	Maintenance	100	-	-11.10	-31.83	-108.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-18.39	-51.47	-162.03
Fairbanks, AK	CO	Maintenance	100	-	-2.26	-6.05	-16.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.63	-18.38	-84.87
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.67	-1.82	-5.21
Flint, MI	Ozone	Maintenance	100	-	-13.62	-41.68	-167.91
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.25	-0.69
Fort Collins, CO	CO	Maintenance	100	-	-7.66	-22.24	-78.26
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.17	-0.46
Fort Wayne, IN	Ozone	Maintenance	100	-	-31.81	-86.58	-247.25
Franklin County, PA	Ozone	Maintenance	100	-	-11.18	-30.80	-91.81
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.17	-0.49
Frederick County, VA	Ozone	Former Subpart 1	50	-	-17.95	-47.85	-126.12
Fredericksburg, VA	Ozone	Maintenance	100	-	-17.57	-51.22	-182.33

Appendix B

**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.23	-0.85	-4.83
Fresno, CA	CO	Maintenance	100	-	-8.78	-30.95	-163.08
Grand Rapids, MI	Ozone	Maintenance	100	-	-30.20	-88.84	-323.95
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.41	-6.69	-20.47
Grant County, NM	SO _x	Maintenance	100	-	-0.30	-0.81	-2.16
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.09	-0.28
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.53	-6.97	-20.88
Great Falls, MT	CO	Maintenance	100	-	-2.33	-6.23	-16.44
Greater Connecticut, CT	Ozone	Moderate	50	-	-35.23	-111.74	-486.95
Greeley, CO	CO	Maintenance	100	-	-11.56	-31.42	-89.27
Green Bay, WI	SO _x	Maintenance	100	-	-3.89	-11.65	-44.55
Greene County, IN	Ozone	Maintenance	100	-	-7.13	-18.97	-49.45
Greene County, PA	Ozone	Maintenance	100	-	-4.92	-13.21	-35.93
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-49.82	-149.25	-570.78
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-22.47	-68.13	-268.46
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-91.13	-245.59	-675.67
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.56	-1.74	-7.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.57	-13.27	-46.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-18.11	-58.31	-261.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-17.89	-56.83	-248.35
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-19.19	-62.87	-292.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.22	-0.70	-3.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.17	-3.58	-14.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.08	-0.27	-1.34
Hazelwood, PA	SO _x	Maintenance	100	-	-1.94	-5.50	-18.12
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-4.96	-14.99	-58.48
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-8.85	-26.48	-101.15
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.11	-0.59

Appendix B

Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-685.51	-1,838.42	-4,961.99
Humphreys County, TN	SO _x	Maintenance	100	-	-0.31	-0.83	-2.26
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-75.94	-198.89	-485.49
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-62.46	-162.43	-383.94
Huron County, MI	Ozone	Maintenance	100	-	-1.84	-5.08	-15.35
Imperial County, CA	Ozone	Moderate	50	-	-5.00	-16.07	-71.91
Imperial Valley, CA	PM ₁₀	Serious	70	-	-4.89	-15.73	-70.38
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.26	-3.68	-12.97
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.14	-0.43
Indianapolis, IN	Ozone	Maintenance	100	-	-72.30	-213.21	-783.01
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-55.16	-163.54	-609.03
Jackson County, IN	Ozone	Maintenance	100	-	-11.20	-29.79	-77.84
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.05	-17.55	-61.60
Jefferson County, NY	Ozone	Moderate	50	-	-2.34	-7.64	-35.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.00	-2.67	-6.95
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-26.13	-69.90	-186.65
Johnstown, PA	Ozone	Maintenance	100	-	-5.51	-15.29	-46.90
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-7.15	-19.62	-57.83
Juneau, AK	PM ₁₀	Moderate	100	-	-1.87	-4.97	-12.92
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-25.01	-70.79	-231.02
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.71	-7.38	-21.19
Kansas City, MO-KS	Ozone	Maintenance	100	-	-106.81	-297.31	-919.21
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.26	-2.65	-28.16
Kent, WA	PM ₁₀	Maintenance	100	-	-1.02	-2.98	-10.72
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.21	-9.34	-32.98
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.70	-2.11	-8.24
King County, WA	PM ₁₀	Maintenance	100	-	-0.40	-1.18	-4.24
Klamath Falls, OR	CO	Maintenance	100	-	-4.50	-12.18	-34.21

Appendix B

Table B.1-107							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.50	-12.18	-34.21
Knoxville, TN	Ozone	Former Subpart 1	50	-	-98.28	-269.34	-789.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-81.26	-221.62	-637.83
La Porte County, IN	SO _x	Maintenance	100	-	-3.22	-8.70	-24.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.77	-4.74	-12.77
Lake County, IN	SO _x	Maintenance	100	-	-17.62	-49.08	-151.99
Lake County, OH	SO _x	Maintenance	100	-	-0.47	-1.68	-8.88
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.61	-1.65	-4.52
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.13	-0.81	-7.22
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.35	-1.97	-16.24
Lake Tahoe, NV	CO	Maintenance	100	-	-0.41	-1.33	-5.96
Lamar, CO	PM ₁₀	Maintenance	100	-	-2.00	-5.24	-12.94
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.12	-0.45
Lancaster, PA	Ozone	Maintenance	100	-	-5.51	-20.22	-113.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.51	-20.22	-113.13
Lane County, OR	PM ₁₀	Moderate	100	-	-0.09	-0.26	-0.76
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-7.71	-26.10	-128.82
LaPorte, IN	Ozone	Maintenance	100	-	-8.97	-24.23	-67.36
Las Vegas, NV	CO	Serious	100	-	-27.79	-93.63	-457.90
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-28.13	-94.79	-463.55
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.33	-4.52	-22.42
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.15	-0.40	-1.14
Libby, MT	PM ₁₀	Moderate	100	-	-0.24	-0.67	-2.09
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.32	-0.89	-2.78
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.60	-1.70	-5.61
Lima, OH	Ozone	Maintenance	100	-	-20.49	-54.03	-135.86
Longmont, CO	CO	Maintenance	100	-	-0.65	-3.00	-21.66
Lorain County, OH	SO _x	Maintenance	100	-	-0.86	-2.81	-13.09

Appendix B

**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-300.46	-985.46	-4,589.37
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-300.46	-985.46	-4,589.36
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-300.46	-985.46	-4,589.36
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-300.47	-985.47	-4,589.42
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-300.45	-985.41	-4,589.15
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-10.03	-35.54	-188.67
Louisville, KY-IN	Ozone	Maintenance	100	-	-32.35	-97.72	-381.33
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-32.71	-98.02	-375.27
Lowell, MA	CO	Maintenance	100	-	-1.58	-5.62	-30.11
Lucas County, OH	SO _x	Maintenance	100	-	-8.44	-25.39	-98.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.15	-3.73	-16.99
Macon, GA	Ozone	Maintenance	100	-	-20.05	-54.09	-149.25
Macon, GA	PM _{2.5}	Nonattainment	100	-	-19.90	-53.65	-147.95
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.15	-0.41	-1.32
Madison, WI	SO _x	Maintenance	100	-	-6.69	-20.74	-86.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.41	-1.22	-4.53
Manchester, NH	CO	Maintenance	100	-	-0.28	-1.66	-14.32
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.16	-4.26	-23.95
Marion County, IN	SO _x	Maintenance	100	-	-16.89	-47.31	-149.37
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.73	-6.18	-33.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-22.22	-61.31	-184.03
Mason County, MI	Ozone	Maintenance	100	-	-1.38	-3.89	-12.65
Medford, OR	CO	Maintenance	100	-	-0.79	-3.18	-20.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.90	-7.64	-47.97
Memphis, TN-AR	Ozone	Maintenance	100	-	-51.44	-144.68	-462.81
Memphis, TN	CO	Maintenance	100	-	-33.11	-96.64	-345.10
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.99	-2.96	-11.38

Appendix B

**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.21	-0.61	-2.06
Milwaukee, WI	SO _x	Maintenance	100	-	-15.40	-46.25	-177.90
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-42.51	-133.06	-563.83
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-167.44	-469.59	-1,488.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-122.18	-352.20	-1,214.15
Missoula, MT	CO	Maintenance	100	-	-9.97	-26.44	-68.27
Missoula, MT	PM ₁₀	Moderate	100	-	-9.65	-25.60	-66.09
Modesto, CA	CO	Maintenance	100	-	-9.42	-28.85	-116.50
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.00	-9.29	-38.41
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.17	-0.63
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.33	-1.20
Morristown, NJ	CO	Maintenance	100	-	-0.46	-1.67	-9.13
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.23	-6.08	-17.59
Muncie, IN	Ozone	Maintenance	100	-	-16.16	-42.88	-110.91
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.31	-0.85	-2.62
Muscatine County, IA	SO _x	Maintenance	100	-	-1.15	-3.17	-9.34
Muskegon, MI	Ozone	Maintenance	100	-	-8.31	-23.07	-70.75
Nashua, NH	CO	Maintenance	100	-	-0.22	-1.33	-11.54
Nashville, TN	Ozone	Former Subpart 1	50	-	-44.89	-138.01	-561.76
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.42	-8.52	-44.83
New Haven County, CT	PM ₁₀	Maintenance	100	-	-9.07	-25.30	-78.71
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-43.34	-121.40	-383.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.66	-1.76	-4.75
New York County, NY	PM ₁₀	Moderate	100	-	-84.88	-223.67	-561.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-346.72	-992.37	-3,349.91
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-501.43	-1,484.45	-5,506.89
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-488.81	-1,450.29	-5,411.29
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.18	-3.60	-14.29

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**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-70.74	-202.36	-681.90
Ogden, UT	CO	Maintenance	100	-	-1.19	-3.96	-18.94
Ogden, UT	PM ₁₀	Moderate	100	-	-1.19	-3.96	-18.94
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.05	-0.16	-0.67
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.83	-2.40	-8.22
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.88	-8.94	-37.22
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.13	-0.41	-1.58
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.06
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.53	-28.89	-84.99
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-11.23	-30.69	-89.15
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.63	-1.90	-7.32
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.03	-0.14
Peoria, IL	SO _x	Maintenance	100	-	-1.40	-4.86	-24.89
Perth Amboy, NJ	CO	Maintenance	100	-	-3.64	-10.54	-36.64
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-9.06	-28.02	-115.58
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-232.75	-655.67	-2,107.59
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-270.73	-780.83	-2,695.95
Phoenix, AZ	CO	Maintenance	100	-	-43.73	-187.67	-1,262.52
Phoenix, AZ	PM ₁₀	Serious	70	-	-45.68	-194.73	-1,301.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-45.81	-195.30	-1,305.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.32	-3.53	-9.36
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.09	-0.25	-0.71
Pittsburgh, PA	CO	Maintenance	100	-	-1.29	-3.66	-12.06
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-84.65	-243.01	-827.60
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-71.38	-206.69	-721.82
Polk County, TN	SO _x	Maintenance	100	-	-1.85	-5.04	-14.26
Polson, MT	PM ₁₀	Moderate	100	-	-0.11	-0.34	-1.24
Portland, ME	Ozone	Maintenance	100	-	-16.84	-50.71	-196.54

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Table B.1-107							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-27.59	-86.08	-362.19
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.85	-10.44	-29.56
Poughkeepsie, NY	Ozone	Moderate	50	-	-22.11	-76.56	-391.97
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.69	-1.89	-5.48
Providence (entire State), RI	Ozone	Moderate	50	-	-38.88	-113.22	-401.77
Provo, UT	CO	Maintenance	100	-	-4.12	-12.95	-55.32
Raleigh-Durham, NC	CO	Maintenance	100	-	-17.96	-64.67	-351.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-28.42	-98.21	-501.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.30	-0.93
Reading, PA	Ozone	Maintenance	100	-	-9.92	-29.85	-115.35
Reading, PA	PM _{2.5}	Nonattainment	100	-	-9.92	-29.85	-115.35
Reno, NV	CO	Maintenance	100	-	-6.53	-20.02	-81.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.07	-0.19	-0.59
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-32.17	-98.79	-401.14
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.42	-4.38	-17.97
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.37	-15.96	-146.37
Roanoke, VA	Ozone	Former Subpart 1	50	-	-16.05	-44.58	-136.86
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.56	-10.24	-35.11
Rochester, NY	Ozone	Former Subpart 1	50	-	-31.07	-97.38	-413.68
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.81	-25.00	-82.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.77	-26.67	-76.87
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.13	-0.47
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.18	-0.49	-1.45
Sacramento County, CA	PM ₁₀	Moderate	100	-	-18.60	-70.37	-409.87
Sacramento Metro, CA	Ozone	Severe	25	-	-47.54	-163.55	-828.57
Sacramento, CA	CO	Maintenance	100	-	-20.40	-77.80	-457.81
Salem, OR	CO	Maintenance	100	-	-2.55	-8.24	-37.36
Salt Lake City, UT	CO	Maintenance	100	-	-5.73	-17.63	-71.93

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Table B.1-107							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.42	-61.35	-293.84
Salt Lake County, UT	SO _x	Nonattainment	100	-	-16.02	-55.17	-280.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	-130.63	-361.23	-1,092.25
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.09	-16.56	-104.88
San Diego, CA	CO	Maintenance	100	-	-36.22	-154.43	-1,032.03
San Diego, CA	Ozone	Former Subpart 1	50	-	-36.29	-154.72	-1,033.99
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-226.51	-672.71	-2,516.26
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-233.60	-702.49	-2,712.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	-128.76	-398.80	-1,650.66
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-129.38	-400.58	-1,656.96
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-128.76	-398.80	-1,650.66
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.58	-1.97	-9.88
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.24	-0.63
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-23.25	-68.51	-250.98
Seattle-Tacoma, WA	CO	Maintenance	100	-	-103.94	-308.56	-1,153.05
Sheboygan, WI	Ozone	Moderate	50	-	-3.46	-10.49	-41.48
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.02	-8.04	-21.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.18	-0.70	-4.22
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-16.41	-48.10	-173.64
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.92	-9.46	-43.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	-13.70	-39.29	-133.58
Spokane, WA	CO	Maintenance	100	-	-13.54	-38.86	-132.10
Springfield (western MA), MA	Ozone	Moderate	50	-	-11.75	-41.90	-224.63
Springfield, MA	CO	Maintenance	100	-	-2.37	-8.03	-39.78
St. Louis, MO	CO	Maintenance	100	-	-82.01	-221.45	-614.00
St. Louis, MO-IL	Ozone	Moderate	50	-	-203.41	-560.12	-1,668.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-203.06	-558.97	-1,663.35

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Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.50	-6.25	-40.59
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.89	-2.58	-8.97
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.79	-15.39	-40.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-14.77	-39.10	-100.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-14.77	-39.10	-100.07
Stockton, CA	CO	Maintenance	100	-	-11.09	-35.54	-158.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-31.15	-86.56	-266.04
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.11	-0.53
Terre Haute, IN	Ozone	Maintenance	100	-	-13.22	-35.54	-96.86
Tioga County, PA	Ozone	Maintenance	100	-	-1.12	-3.57	-15.78
Toledo, OH	Ozone	Maintenance	100	-	-38.99	-107.13	-316.57
Toms River, NJ	CO	Maintenance	100	-	-1.15	-4.39	-25.98
Tooele County, UT	SO _x	Nonattainment	100	-	-6.75	-18.72	-57.12
Trenton, NJ	CO	Maintenance	100	-	-1.45	-4.91	-24.20
Trona, CA	PM ₁₀	Moderate	100	-	-0.03	-0.13	-0.82
Tucson, AZ	CO	Maintenance	100	-	-27.29	-84.15	-344.83
Utah County, UT	PM ₁₀	Moderate	100	-	-11.97	-37.60	-160.56
Vancouver, WA	CO	Maintenance	100	-	-6.49	-21.24	-98.46
Ventura County, CA	Ozone	Serious	50	-	-9.22	-36.20	-220.81
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.29	-3.39	-8.54
Vigo County, IN	SO _x	Maintenance	100	-	-13.22	-35.54	-96.86
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.74	-2.64	-14.12
Warren County, NJ	SO _x	Maintenance	100	-	-0.48	-1.72	-9.24
Warren County, PA	SO _x	Nonattainment	100	-	-0.37	-1.13	-4.45
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-15.59	-42.81	-126.34
Washington, DC-MD-VA	CO	Maintenance	100	-	-18.60	-68.89	-390.08

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**Table B.1-107
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-72.81	-262.60	-1,431.85
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-67.56	-247.44	-1,379.35
Washoe County, NV	PM ₁₀	Serious	70	-	-6.53	-20.02	-81.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.46	-1.24	-3.34
Wayne County, IN	SO _x	Maintenance	100	-	-5.77	-15.67	-44.43
Wayne County, MI	PM ₁₀	Maintenance	100	-	-12.17	-32.38	-84.57
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.92	-2.47	-6.69
Weirton, WV	SO _x	Maintenance	100	-	-1.24	-3.33	-9.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-14.29	-38.48	-105.66
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.29	-38.48	-105.66
Winston-Salem, NC	CO	Maintenance	100	-	-13.45	-40.06	-150.82
Worcester, MA	CO	Maintenance	100	-	-2.18	-8.67	-53.84
Yakima County, WA	PM ₁₀	Maintenance	100	-	-5.98	-16.61	-51.09
Yakima, WA	CO	Maintenance	100	-	-2.69	-7.49	-23.02
York, PA	Ozone	Maintenance	100	-	-14.14	-42.42	-162.78
York, PA	PM _{2.5}	Nonattainment	100	-	-9.07	-28.01	-115.35
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-18.55	-55.46	-210.93
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.44	-19.23	-72.91

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.03	-0.30	-1.31
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.24	-1.70
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.25	-1.76
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-9.11	-97.19	-591.80
Albuquerque, NM	CO	Maintenance	100	-	-3.65	-38.26	-248.73
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.42	-15.55	-85.32
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-3.08	-31.15	-228.80
Altoona, PA	Ozone	Maintenance	100	-	-1.20	-13.72	-62.93
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.66	-5.44	-68.32
Anchorage, AK	CO	Maintenance	100	-	-1.94	-21.95	-104.32
Anthony, NM	PM ₁₀	Moderate	100	-	-0.09	-0.98	-4.68
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.16	-1.59
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.09	-1.00	-4.87
Atlanta, GA	Ozone	Moderate	50	-	-43.54	-451.71	-3,036.00
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-43.57	-452.07	-3,037.67
Atlantic City, NJ	CO	Maintenance	100	-	-0.20	-1.98	-16.72
Bakersfield, CA	CO	Maintenance	100	-	-4.17	-45.55	-252.73
Baltimore, MD	CO	Maintenance	100	-	-0.11	-1.29	-6.16
Baltimore, MD	Ozone	Moderate	50	-	-13.60	-131.55	-1,107.12
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-13.60	-131.55	-1,107.10
Baton Rouge, LA	Ozone	Moderate	50	-	-17.27	-203.34	-804.94
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-28.06	-339.12	-1,161.10
Benton County, TN	SO _x	Maintenance	100	-	-0.03	-0.37	-1.41
Benton Harbor, MI	Ozone	Maintenance	100	-	-2.43	-28.09	-122.17
Benzie County, MI	Ozone	Maintenance	100	-	-0.27	-3.00	-15.72
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.63	-18.22	-92.11
Billings, MT	CO	Maintenance	100	-	-7.49	-90.81	-305.29
Birmingham, AL	Ozone	Maintenance	100	-	-6.75	-72.04	-436.42

Appendix B

Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-6.79	-72.52	-438.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-4.41	-50.06	-236.47
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-4.41	-50.06	-236.47
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.23	-2.61	-12.80
Boston, MA	CO	Maintenance	100	-	-4.01	-39.84	-307.76
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-21.01	-200.20	-1,759.20
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.39	-21.70	-218.82
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.53	-6.45	-22.45
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-6.83	-71.39	-466.57
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.21	-1.67
Butte, MT	PM ₁₀	Moderate	100	-	-0.63	-7.56	-27.70
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.37	-4.21	-18.58
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.80	-43.52	-196.86
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.80	-43.52	-196.86
Case County, MI	Ozone	Maintenance	100	-	-0.50	-5.71	-27.16
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.18	-0.76
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.13	-1.59	-6.13
Charleston, WV	Ozone	Maintenance	100	-	-1.56	-16.45	-103.55
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.56	-16.45	-103.55
Charlotte, NC	CO	Maintenance	100	-	-3.71	-36.41	-293.90
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-11.20	-117.33	-762.67
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-8.33	-96.16	-419.73
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-7.64	-88.17	-385.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-41.30	-423.82	-2,956.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-43.24	-444.79	-3,077.15
Chico, CA	CO	Maintenance	100	-	-0.85	-8.76	-60.85
Chico, CA	Ozone	Former Subpart 1	50	-	-1.79	-18.34	-127.48
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-11.96	-124.48	-828.39

Appendix B

**Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-11.30	-117.09	-790.88
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.11	-1.26	-6.21
Clark County, NV	PM ₁₀	Serious	70	-	-7.87	-76.25	-637.98
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-4.59	-53.10	-230.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.73	-31.56	-137.84
Cleveland, OH	CO	Maintenance	100	-	-6.12	-66.33	-379.42
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-14.00	-144.50	-987.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-12.85	-132.70	-904.99
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.18	-17.57	-236.69
Colbert County, AL	SO _x	Maintenance	100	-	-0.83	-9.60	-41.19
Colorado Springs, CO	CO	Maintenance	100	-	-6.30	-69.59	-368.81
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.09	-0.97	-4.50
Columbia, SC	Ozone	Former Subpart 1	50	-	-9.44	-108.21	-488.10
Columbus, OH	Ozone	Maintenance	100	-	-12.49	-132.19	-826.97
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-10.99	-115.27	-745.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.19	-1.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.13
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-6.12	-66.33	-379.42
Cuyahoga County, OH	SO _x	Maintenance	100	-	-5.95	-65.43	-353.40
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-43.52	-444.14	-3,154.93
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-5.65	-60.77	-358.74
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-4.93	-52.94	-313.66
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-14.24	-137.33	-1,165.12
Denver-Boulder, CO	CO	Maintenance	100	-	-13.77	-133.15	-1,119.58
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-21.28	-215.80	-1,565.96
Detroit, MI	CO	Maintenance	100	-	-12.92	-144.81	-723.60
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-32.20	-343.38	-2,091.56
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-31.07	-330.41	-2,031.49

Appendix B

**Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.14	-1.30	-12.79
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.20	-2.06	-13.73
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.16	-1.70	-11.31
Duluth, MN	CO	Maintenance	100	-	-1.12	-12.95	-56.94
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.12	-1.41	-6.71
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.12	-0.56
East Chicago, IN	PM ₁₀	Maintenance	100	-	-5.81	-68.99	-260.84
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.15	-0.71
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.13	-44.95	-254.17
El Paso, TX	CO	Maintenance	100	-	-0.21	-2.23	-13.69
Erie, PA	Ozone	Maintenance	100	-	-1.49	-15.92	-96.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.08	-0.65
Eugene-Springfield, OR	CO	Maintenance	100	-	-3.09	-35.08	-164.62
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.97	-33.71	-158.18
Evansville, IN	Ozone	Maintenance	100	-	-2.17	-23.83	-129.32
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.34	-37.43	-186.67
Fairbanks, AK	CO	Maintenance	100	-	-0.35	-4.12	-17.43
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.55	-15.69	-113.88
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.11	-1.26	-5.84
Flint, MI	Ozone	Maintenance	100	-	-3.22	-33.98	-214.68
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.19	-0.73
Fort Collins, CO	CO	Maintenance	100	-	-1.52	-16.38	-96.98
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.11	-0.48
Fort Wayne, IN	Ozone	Maintenance	100	-	-5.42	-62.28	-277.87
Franklin County, PA	Ozone	Maintenance	100	-	-1.89	-21.39	-102.67
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.15	-0.62
Frederick County, VA	Ozone	Former Subpart 1	50	-	-2.76	-32.30	-131.59
Fredericksburg, VA	Ozone	Maintenance	100	-	-3.58	-38.30	-229.49

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Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.09	-0.90	-7.82
Fresno, CA	CO	Maintenance	100	-	-2.66	-25.27	-224.26
Grand Rapids, MI	Ozone	Maintenance	100	-	-6.34	-67.98	-406.58
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.41	-4.61	-22.06
Grant County, NM	SO _x	Maintenance	100	-	-0.05	-0.53	-2.15
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.07	-0.34
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.47	-5.29	-25.31
Great Falls, MT	CO	Maintenance	100	-	-0.39	-4.60	-17.94
Greater Connecticut, CT	Ozone	Moderate	50	-	-8.89	-91.65	-629.88
Greeley, CO	CO	Maintenance	100	-	-1.89	-21.59	-98.12
Green Bay, WI	SO _x	Maintenance	100	-	-0.82	-8.66	-54.80
Greene County, IN	Ozone	Maintenance	100	-	-1.18	-13.88	-54.73
Greene County, PA	Ozone	Maintenance	100	-	-0.83	-9.75	-40.21
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-10.67	-113.16	-703.17
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-4.93	-51.82	-331.44
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-14.45	-167.60	-715.50
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.13	-1.37	-9.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.95	-10.39	-58.20
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-4.70	-47.43	-349.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-4.50	-45.76	-328.19
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-5.13	-51.91	-378.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.06	-0.56	-4.34
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.27	-2.83	-19.19
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.03	-0.26	-1.92
Hazelwood, PA	SO _x	Maintenance	100	-	-0.44	-4.96	-24.51
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.09	-11.52	-71.45
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.95	-20.80	-125.77
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.10	-0.75

Appendix B

**Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-111.06	-1,292.46	-5,420.77
Humphreys County, TN	SO _x	Maintenance	100	-	-0.05	-0.63	-2.60
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-11.90	-142.54	-513.29
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-9.64	-116.35	-400.62
Huron County, MI	Ozone	Maintenance	100	-	-0.34	-3.84	-17.85
Imperial County, CA	Ozone	Moderate	50	-	-1.25	-12.44	-96.51
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.23	-12.18	-94.55
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.22	-2.30	-13.97
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.09	-0.43
Indianapolis, IN	Ozone	Maintenance	100	-	-15.32	-164.11	-983.46
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-11.84	-126.24	-768.79
Jackson County, IN	Ozone	Maintenance	100	-	-1.81	-21.27	-84.20
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.26	-13.78	-75.96
Jefferson County, NY	Ozone	Moderate	50	-	-0.62	-6.26	-46.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.16	-1.89	-7.28
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-4.28	-50.09	-203.23
Johnstown, PA	Ozone	Maintenance	100	-	-1.01	-11.52	-52.64
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.26	-14.52	-63.82
Juneau, AK	PM ₁₀	Moderate	100	-	-0.31	-3.64	-14.65
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-4.80	-53.46	-274.95
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.45	-5.08	-23.55
Kansas City, MO-KS	Ozone	Maintenance	100	-	-19.52	-219.28	-1,084.21
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.39	-3.12	-43.41
Kent, WA	PM ₁₀	Maintenance	100	-	-0.22	-2.35	-13.90
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.56	-6.02	-36.56
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.16	-1.71	-10.43
King County, WA	PM ₁₀	Maintenance	100	-	-0.08	-0.90	-5.33
Klamath Falls, OR	CO	Maintenance	100	-	-0.77	-8.85	-38.20

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.77	-8.85	-38.20
Knoxville, TN	Ozone	Former Subpart 1	50	-	-16.61	-188.40	-891.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-13.53	-154.39	-711.24
La Porte County, IN	SO _x	Maintenance	100	-	-0.53	-6.13	-26.10
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.30	-3.46	-14.22
Lake County, IN	SO _x	Maintenance	100	-	-3.12	-35.20	-170.86
Lake County, OH	SO _x	Maintenance	100	-	-0.15	-1.48	-12.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.11	-1.23	-5.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.91	-12.09
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.28	-2.30	-28.28
Lake Tahoe, NV	CO	Maintenance	100	-	-0.11	-1.10	-7.71
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.43	-5.20	-18.39
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.08	-0.52
Lancaster, PA	Ozone	Maintenance	100	-	-1.86	-17.71	-156.75
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.86	-17.71	-156.75
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.16	-0.73
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.27	-22.56	-174.29
LaPorte, IN	Ozone	Maintenance	100	-	-1.47	-17.01	-72.37
Las Vegas, NV	CO	Serious	100	-	-7.87	-76.25	-637.98
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-7.95	-77.05	-644.59
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.38	-3.78	-29.13
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.28	-1.24
Libby, MT	PM ₁₀	Moderate	100	-	-0.04	-0.49	-2.36
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.06	-0.65	-3.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.11	-1.26	-6.21
Lima, OH	Ozone	Maintenance	100	-	-3.28	-39.04	-146.28
Longmont, CO	CO	Maintenance	100	-	-0.35	-3.09	-33.67
Lorain County, OH	SO _x	Maintenance	100	-	-0.23	-2.35	-17.41

Appendix B

**Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-83.37	-835.68	-6,296.96
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-83.37	-835.68	-6,296.96
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-83.37	-835.68	-6,296.96
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-83.37	-835.69	-6,297.01
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-83.37	-835.64	-6,296.67
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-3.32	-32.11	-269.99
Louisville, KY-IN	Ozone	Maintenance	100	-	-7.15	-75.67	-473.91
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-7.08	-75.43	-461.70
Lowell, MA	CO	Maintenance	100	-	-0.55	-5.32	-43.87
Lucas County, OH	SO _x	Maintenance	100	-	-2.02	-21.79	-126.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.30	-3.10	-21.75
Macon, GA	Ozone	Maintenance	100	-	-3.32	-38.64	-162.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-3.29	-38.34	-160.65
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.30	-1.48
Madison, WI	SO _x	Maintenance	100	-	-1.60	-16.46	-114.89
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.10	-1.10	-6.78
Manchester, NH	CO	Maintenance	100	-	-0.19	-1.61	-19.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.40	-3.85	-32.52
Marion County, IN	SO _x	Maintenance	100	-	-3.11	-34.92	-172.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.59	-5.61	-49.64
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.78	-42.67	-205.15
Mason County, MI	Ozone	Maintenance	100	-	-0.27	-2.95	-15.26
Medford, OR	CO	Maintenance	100	-	-0.33	-3.02	-30.10
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.80	-7.28	-72.62
Memphis, TN-AR	Ozone	Maintenance	100	-	-9.75	-109.41	-543.30
Memphis, TN	CO	Maintenance	100	-	-6.96	-76.02	-422.76
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.22	-2.29	-14.81

Appendix B

Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.04	-0.41	-2.22
Milwaukee, WI	SO _x	Maintenance	100	-	-3.56	-38.19	-226.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-10.48	-108.36	-737.44
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-31.27	-349.05	-1,772.83
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-24.38	-265.76	-1,487.95
Missoula, MT	CO	Maintenance	100	-	-1.53	-18.06	-71.51
Missoula, MT	PM ₁₀	Moderate	100	-	-1.48	-17.47	-69.18
Modesto, CA	CO	Maintenance	100	-	-2.28	-23.70	-158.55
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.72	-7.33	-52.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.14	-0.85
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.02	-0.23	-1.40
Morristown, NJ	CO	Maintenance	100	-	-0.17	-1.64	-14.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.39	-4.54	-20.02
Muncie, IN	Ozone	Maintenance	100	-	-2.64	-31.24	-119.75
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.09	-1.05	-4.61
Muscatine County, IA	SO _x	Maintenance	100	-	-0.22	-2.48	-11.32
Muskegon, MI	Ozone	Maintenance	100	-	-1.51	-17.01	-82.53
Nashua, NH	CO	Maintenance	100	-	-0.15	-1.31	-15.52
Nashville, TN	Ozone	Former Subpart 1	50	-	-10.31	-106.67	-723.23
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.81	-7.70	-68.23
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.87	-21.11	-102.79
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-8.02	-90.09	-445.88
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.16	-1.85	-7.08
New York County, NY	PM ₁₀	Moderate	100	-	-13.11	-156.05	-583.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-68.38	-753.91	-4,030.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-107.99	-1,159.36	-6,883.05
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-105.90	-1,135.35	-6,777.08
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.26	-2.69	-17.96

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Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-14.07	-155.17	-827.53
Ogden, UT	CO	Maintenance	100	-	-0.32	-3.16	-24.37
Ogden, UT	PM ₁₀	Moderate	100	-	-0.32	-3.16	-24.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.11	-0.71
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.14	-1.50	-8.57
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.67	-6.80	-48.49
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.06	-0.64	-3.32
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.89	-21.68	-97.99
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.05	-23.58	-104.25
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.14	-1.43	-9.24
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.03	-0.19
Peoria, IL	SO _x	Maintenance	100	-	-0.42	-4.15	-32.68
Perth Amboy, NJ	CO	Maintenance	100	-	-0.83	-9.03	-50.55
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-2.09	-21.98	-141.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-44.48	-497.15	-2,510.21
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-54.69	-599.29	-3,285.66
Phoenix, AZ	CO	Maintenance	100	-	-20.35	-177.50	-1,974.59
Phoenix, AZ	PM ₁₀	Serious	70	-	-20.97	-183.31	-2,028.94
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-21.02	-183.77	-2,033.90
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.21	-2.47	-9.83
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.17	-0.73
Pittsburgh, PA	CO	Maintenance	100	-	-0.35	-3.97	-19.62
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-17.06	-188.33	-1,002.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-14.80	-162.40	-884.50
Polk County, TN	SO _x	Maintenance	100	-	-0.32	-3.75	-16.28
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.29	-1.70
Portland, ME	Ozone	Maintenance	100	-	-3.76	-39.81	-248.33

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Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-6.48	-66.78	-458.16
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.65	-7.50	-32.75
Poughkeepsie, NY	Ozone	Moderate	50	-	-6.93	-67.32	-559.45
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.12	-1.42	-6.25
Providence (entire State), RI	Ozone	Moderate	50	-	-8.23	-89.48	-506.74
Provo, UT	CO	Maintenance	100	-	-0.98	-9.90	-72.77
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.75	-54.16	-491.86
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-8.38	-80.61	-689.73
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.21	-1.02
Reading, PA	Ozone	Maintenance	100	-	-2.17	-22.97	-143.44
Reading, PA	PM _{2.5}	Nonattainment	100	-	-2.17	-22.97	-143.44
Reno, NV	CO	Maintenance	100	-	-1.46	-15.19	-101.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.02	-0.19	-0.92
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-7.30	-75.98	-504.19
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.34	-3.51	-24.37
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.18	-17.57	-236.69
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.80	-31.62	-153.62
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.67	-7.28	-41.50
Rochester, NY	Ozone	Former Subpart 1	50	-	-7.76	-80.60	-540.16
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.68	-18.72	-96.76
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.67	-19.17	-86.05
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.11	-0.64
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.32	-1.52
Sacramento County, CA	PM ₁₀	Moderate	100	-	-7.06	-65.74	-616.00
Sacramento Metro, CA	Ozone	Severe	25	-	-14.75	-142.19	-1,207.47
Sacramento, CA	CO	Maintenance	100	-	-7.76	-71.69	-685.99
Salem, OR	CO	Maintenance	100	-	-0.64	-6.49	-47.66
Salt Lake City, UT	CO	Maintenance	100	-	-1.34	-13.92	-93.23

Appendix B

Table B.1-108							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.06	-50.04	-393.08
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.70	-45.67	-379.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	-22.20	-249.60	-1,228.40
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.61	-14.51	-148.11
San Diego, CA	CO	Maintenance	100	-	-16.73	-149.49	-1,564.46
San Diego, CA	Ozone	Former Subpart 1	50	-	-16.76	-149.78	-1,567.53
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-49.23	-522.97	-3,230.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-52.28	-550.60	-3,508.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	-30.80	-315.15	-2,221.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-30.89	-316.07	-2,226.65
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-30.80	-315.15	-2,221.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.17	-1.60	-13.68
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.18	-0.70
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-5.03	-54.33	-314.84
Seattle-Tacoma, WA	CO	Maintenance	100	-	-21.95	-232.82	-1,445.59
Sheboygan, WI	Ozone	Moderate	50	-	-0.79	-8.30	-53.30
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.44	-5.21	-21.06
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.63	-5.96
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-3.40	-36.77	-213.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.65	-6.69	-46.92
Spokane County, WA	PM ₁₀	Maintenance	100	-	-2.60	-28.23	-159.28
Spokane, WA	CO	Maintenance	100	-	-2.56	-27.90	-157.40
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.85	-37.54	-308.65
Springfield, MA	CO	Maintenance	100	-	-0.76	-7.58	-57.38
St. Louis, MO	CO	Maintenance	100	-	-14.41	-168.36	-693.35
St. Louis, MO-IL	Ozone	Moderate	50	-	-36.25	-413.54	-1,907.34
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-36.16	-412.62	-1,900.51

Appendix B

Table B.1-108							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.66	-6.07	-59.75
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.18	-1.92	-11.42
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.99	-11.74	-45.14
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.40	-28.44	-107.95
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.40	-28.44	-107.95
Stockton, CA	CO	Maintenance	100	-	-3.10	-31.40	-229.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-5.79	-65.64	-311.89
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.10	-0.83
Terre Haute, IN	Ozone	Maintenance	100	-	-2.15	-25.09	-103.41
Tioga County, PA	Ozone	Maintenance	100	-	-0.29	-2.98	-20.15
Toledo, OH	Ozone	Maintenance	100	-	-7.01	-80.22	-364.63
Toms River, NJ	CO	Maintenance	100	-	-0.45	-4.23	-39.26
Tooele County, UT	SO _x	Nonattainment	100	-	-1.14	-12.81	-63.82
Trenton, NJ	CO	Maintenance	100	-	-0.44	-4.35	-33.48
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.12	-1.24
Tucson, AZ	CO	Maintenance	100	-	-6.24	-64.16	-445.44
Utah County, UT	PM ₁₀	Moderate	100	-	-2.80	-28.26	-207.69
Vancouver, WA	CO	Maintenance	100	-	-1.72	-17.01	-134.43
Ventura County, CA	Ozone	Serious	50	-	-3.74	-34.43	-332.53
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.21	-2.49	-9.26
Vigo County, IN	SO _x	Maintenance	100	-	-2.15	-25.09	-103.41
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.24	-2.34	-19.31
Warren County, NJ	SO _x	Maintenance	100	-	-0.16	-1.58	-12.99
Warren County, PA	SO _x	Nonattainment	100	-	-0.09	-1.00	-5.73
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.62	-29.82	-139.38
Washington, DC-MD-VA	CO	Maintenance	100	-	-7.04	-67.87	-575.45

Appendix B

Table B.1-108
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-23.73	-225.02	-2,004.09
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-22.64	-213.29	-1,936.89
Washoe County, NV	PM ₁₀	Serious	70	-	-1.46	-15.19	-101.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.08	-0.90	-3.68
Wayne County, IN	SO _x	Maintenance	100	-	-1.10	-12.87	-53.57
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.94	-34.64	-137.12
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.17	-2.00	-7.67
Weirton, WV	SO _x	Maintenance	100	-	-0.24	-2.84	-10.90
Wheeling, WV-OH	Ozone	Maintenance	100	-	-2.43	-28.37	-116.64
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.43	-28.37	-116.64
Winston-Salem, NC	CO	Maintenance	100	-	-2.82	-29.94	-185.61
Worcester, MA	CO	Maintenance	100	-	-0.93	-8.70	-81.39
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.04	-11.65	-57.85
Yakima, WA	CO	Maintenance	100	-	-0.51	-5.75	-28.55
York, PA	Ozone	Maintenance	100	-	-3.08	-32.45	-205.43
York, PA	PM _{2.5}	Nonattainment	100	-	-2.09	-21.62	-147.80
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-4.10	-44.24	-258.61
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.35	-14.09	-91.78

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.12
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.06
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.12	0.64
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.12	0.64
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.05	0.29
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.29
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.03	-0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.31	-0.53	-1.19
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.02	0.10

Appendix B

Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.09	0.50
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.06
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.03	0.16
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.09	0.13	0.68
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.13	0.71
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.04	0.19

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.19
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.03	0.14
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Cleveland, OH	CO	Maintenance	100	-	0.01	0.02	0.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.05	0.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.23
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.06
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.06
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	0.16
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.15
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.08	0.12	0.66
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.05	0.29
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.05	0.27
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.04	0.06	0.34
Detroit, MI	CO	Maintenance	100	-	0.02	0.03	0.16
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	0.08	0.45
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.44

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.03	0.16
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.03	0.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	0.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.37	-0.63	-1.14
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.04	0.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.15
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	0.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.02	0.03	0.14
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.03	0.14
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.15	0.21	1.33
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.15	0.21	1.33
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.15	0.21	1.33
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.15	0.21	1.33
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.15	0.21	1.33
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	0.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	0.10
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.09
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	0.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.02	0.20
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.05	0.27
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.16
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.10	0.14	0.77
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.18	0.27	1.45
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.18	0.27	1.44
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

Appendix B

**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.03	0.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.44
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.08	0.12	0.64
Phoenix, AZ	CO	Maintenance	100	-	0.05	0.08	0.43
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	0.08	0.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	0.08	0.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.04	0.20
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.18
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.05

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Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.02	0.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.02	0.10
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.02	0.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	0.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.05	0.25
Sacramento, CA	CO	Maintenance	100	-	0.02	0.03	0.15
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.03	-0.07

Appendix B

Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.02	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	0.18
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.05	0.07	0.39
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.07	0.39
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.08	0.11	0.61
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.09	0.13	0.69
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.07	0.40
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.07	0.40
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.07	0.40
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.05	0.29
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.09
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.09
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	0.05	0.29
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.29

Appendix B

**Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	0.09
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.03	0.15

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Table B.1-109
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.06	0.10	0.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.51
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.04
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.06
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.29
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.03	0.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.03	0.13
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.03
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.18	0.30	1.50
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.18	0.30	1.50
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.08	0.14	0.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.14	0.67
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.07	-0.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.74	-1.39	-2.61
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.05	0.23

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.23
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.07
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.04	0.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.14	0.23	1.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.15
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.26
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.07	0.37
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.19	0.32	1.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.33	1.63
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.09	0.44

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.43
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.07	0.34
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Cleveland, OH	CO	Maintenance	100	-	0.03	0.04	0.21
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.12	0.58
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.53
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.14
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.03	0.13
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.15
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.08	0.38
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.35
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	0.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.19	0.32	1.56
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.04	0.19
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.17
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.14	0.67
Denver-Boulder, CO	CO	Maintenance	100	-	0.08	0.13	0.64
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.10	0.16	0.81
Detroit, MI	CO	Maintenance	100	-	0.04	0.07	0.36
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.13	0.21	1.04
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.12	0.21	1.02

Appendix B

**Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.05
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.12
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.08
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.09

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Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.03	0.13
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.04	0.18
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.07	0.37
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.07	0.36
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.20
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.04	0.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.18
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.05	0.24
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.88	-1.67	-2.43
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.05
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.09	0.45
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.36
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.08	0.37
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.03
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	0.27
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.21
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.10
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.11
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.04	0.07	0.34
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.07	0.34
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.33	0.53	3.11
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.33	0.53	3.11
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.33	0.53	3.11
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.33	0.53	3.11
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.33	0.53	3.11
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	0.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.05	0.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.24
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.05	0.22
Memphis, TN	CO	Maintenance	100	-	0.02	0.04	0.21
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.08	0.40
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.03	0.46
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.13	0.63
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.07	0.37
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.04	0.18
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.21	0.35	1.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.40	0.67	3.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.40	0.67	3.29
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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**Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.07	0.35
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.12	0.20	0.99
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.18	0.30	1.46
Phoenix, AZ	CO	Maintenance	100	-	0.13	0.21	1.05
Phoenix, AZ	PM ₁₀	Serious	70	-	0.13	0.22	1.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.13	0.22	1.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.09	0.45
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.41
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.03	0.13

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.05	0.25
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.06	0.31
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	0.22
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.06	0.29
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.08	0.40
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.05
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.06	0.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	0.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.07	0.33
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.12	0.60
Sacramento, CA	CO	Maintenance	100	-	0.05	0.08	0.37
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.05	-0.09	-0.15

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.03	-0.05	0.04
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.05	0.23
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.08	0.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.10
San Diego, CA	CO	Maintenance	100	-	0.11	0.19	0.93
San Diego, CA	Ozone	Former Subpart 1	50	-	0.11	0.19	0.93
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.17	0.29	1.43
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.20	0.33	1.62
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.11	0.17	0.95
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.11	0.17	0.96
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.11	0.17	0.95
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	0.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.08	0.14	0.67
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.04	0.20
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.03
St. Louis, MO	CO	Maintenance	100	-	0.02	0.04	0.20
St. Louis, MO-IL	Ozone	Moderate	50	-	0.08	0.13	0.66
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.66

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.10
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.11
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.12
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.05	0.22
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.11
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.07
Ventura County, CA	Ozone	Serious	50	-	0.02	0.04	0.18
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.07	0.35

Appendix B

Table B.1-110
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.15	0.24	1.21
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.14	0.24	1.18
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.05
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.09
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.10
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	0.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.10	0.05	-0.42
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.02	-0.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.02	-0.19
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.07
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	-0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.54	0.25	-2.29
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.54	0.25	-2.29
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.06	-0.30
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.24	0.11	-1.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.24	0.11	-1.00
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.23	-0.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.29	-3.37	-6.15
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Billings, MT	CO	Maintenance	100	-	0.01	0.00	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.08	0.03	-0.32

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.08	0.03	-0.32
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.01	-0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.06	0.03	-0.27
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.39	0.18	-1.67
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.02	-0.22
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.09	0.04	-0.36
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.01	-0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.09
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.01	-0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.08
Charlotte, NC	CO	Maintenance	100	-	0.06	0.03	-0.25
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.13	0.06	-0.56
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-0.17
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.55	0.26	-2.35
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.57	0.26	-2.43
Chico, CA	CO	Maintenance	100	-	0.01	0.00	-0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.15	0.07	-0.64

Appendix B

**Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.07	-0.62
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.13	0.06	-0.54
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.01	-0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Cleveland, OH	CO	Maintenance	100	-	0.07	0.03	-0.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.19	0.09	-0.81
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.08	-0.74
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.03	-0.24
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.02	-0.21
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.05	0.02	-0.21
Columbus, OH	Ozone	Maintenance	100	-	0.14	0.06	-0.58
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.06	-0.54
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.07	0.03	-0.28
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.02	-0.23
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.58	0.27	-2.44
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.03	-0.26
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.24	0.11	-1.03
Denver-Boulder, CO	CO	Maintenance	100	-	0.23	0.11	-0.99
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.29	0.14	-1.24
Detroit, MI	CO	Maintenance	100	-	0.11	0.05	-0.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.35	0.16	-1.49
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.35	0.16	-1.47

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Duluth, MN	CO	Maintenance	100	-	0.01	0.00	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.02	-0.16
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.01	-0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.01	-0.07
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.01	-0.08
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.10
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.04	0.02	-0.16
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	-0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.01	-0.12
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.02	-0.15

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.02	-0.20
Grand Rapids, MI	Ozone	Maintenance	100	-	0.06	0.03	-0.27
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.12	0.06	-0.52
Greeley, CO	CO	Maintenance	100	-	0.01	0.00	-0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.12	0.06	-0.52
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.25
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.07	0.03	-0.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.03	-0.29
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.26
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.08	0.04	-0.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.09
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.36	-4.41	-10.12
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.01	-0.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.01	-0.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.16	0.07	-0.67
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.13	0.06	-0.53
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.00	-0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.07
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.02	-0.16
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.13	0.06	-0.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.10	0.04	-0.41
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.07	0.03	-0.31
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.15
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.15
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.02	-0.15
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Las Vegas, NV	CO	Serious	100	-	0.13	0.06	-0.54
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.13	0.06	-0.55
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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**Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.08	0.19	-5.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.08	0.19	-5.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.08	0.19	-5.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.08	0.19	-5.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.08	0.19	-5.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.06	0.03	-0.24
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	0.04	-0.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.04	-0.34
Lowell, MA	CO	Maintenance	100	-	0.01	0.00	-0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.01	-0.09
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.00	-0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.03
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.10
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.00	-0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.07
Memphis, TN-AR	Ozone	Maintenance	100	-	0.07	0.03	-0.31
Memphis, TN	CO	Maintenance	100	-	0.07	0.03	-0.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.02	-0.16
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.14	0.06	-0.58
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.14	-0.13	-1.37
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.22	0.10	-0.93
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Modesto, CA	CO	Maintenance	100	-	0.03	0.01	-0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.13	0.06	-0.55
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.06
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.06	0.03	-0.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.01	-0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.59	0.27	-2.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.13	0.52	-4.78
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.12	0.52	-4.74
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

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Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.12	0.05	-0.50
Ogden, UT	CO	Maintenance	100	-	0.01	0.00	-0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.00	-0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.01	-0.12
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.33	0.15	-1.41
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.49	0.23	-2.08
Phoenix, AZ	CO	Maintenance	100	-	0.43	0.20	-1.84
Phoenix, AZ	PM ₁₀	Serious	70	-	0.45	0.21	-1.89
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.45	0.21	-1.89
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.15	0.07	-0.62
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.06	-0.57
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.04	0.02	-0.18

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Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.08	0.03	-0.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.11	0.05	-0.48
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.08	0.04	-0.33
Provo, UT	CO	Maintenance	100	-	0.01	0.01	-0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.11	0.05	-0.45
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.15	0.07	-0.61
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.11
Reno, NV	CO	Maintenance	100	-	0.02	0.01	-0.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.09	0.04	-0.39
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.03	-0.24
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.00	-0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.05	-0.43
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.13	0.06	-0.55
Sacramento Metro, CA	Ozone	Severe	25	-	0.24	0.11	-1.01
Sacramento, CA	CO	Maintenance	100	-	0.15	0.07	-0.62
Salem, OR	CO	Maintenance	100	-	0.01	0.00	-0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.08	-0.23	-0.50

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Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.20	-0.77
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	0.04	-0.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.15	0.07	-0.63
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.02	-0.15
San Diego, CA	CO	Maintenance	100	-	0.35	0.16	-1.50
San Diego, CA	Ozone	Former Subpart 1	50	-	0.35	0.16	-1.50
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.52	0.24	-2.21
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.59	0.27	-2.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.36	0.10	-1.80
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.36	0.10	-1.81
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.36	0.10	-1.80
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	0.02	-0.21
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.24	0.11	-1.01
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.00	-0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.14
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.10
Spokane, WA	CO	Maintenance	100	-	0.02	0.01	-0.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.07	0.03	-0.29
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.05
St. Louis, MO	CO	Maintenance	100	-	0.06	0.03	-0.26
St. Louis, MO-IL	Ozone	Moderate	50	-	0.22	0.10	-0.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.22	0.10	-0.91

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.03
Stockton, CA	CO	Maintenance	100	-	0.04	0.02	-0.17
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.02	-0.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.02	-0.17
Toms River, NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.00	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.01	0.00	-0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.08	0.04	-0.34
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.02	-0.17
Vancouver, WA	CO	Maintenance	100	-	0.03	0.01	-0.11
Ventura County, CA	Ozone	Serious	50	-	0.07	0.03	-0.32
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	0.12	0.06	-0.51

Appendix B

Table B.1-111
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.44	0.20	-1.84
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.43	0.20	-1.80
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.01	-0.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.01	-0.13
Worcester, MA	CO	Maintenance	100	-	0.02	0.01	-0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.04	0.02	-0.15
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.02	-0.19
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.03	-0.11	-0.89
Albuquerque, NM	CO	Maintenance	100	-	-0.01	-0.05	-0.40
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.11
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.01	-0.05	-0.41
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.16
Anchorage, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	-0.17	-0.61	-5.07
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.17	-0.61	-5.07
Atlantic City, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.02	-0.10	-0.48
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	-0.07	-0.26	-2.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.07	-0.26	-2.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.24	-0.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.21	-2.42	-5.94
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.10
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	-0.02	-0.08	-0.66

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.08	-0.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.03	-0.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	-0.02	-0.07	-0.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.12	-0.43	-3.56
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.02	-0.06	-0.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.03	-0.09	-0.76
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.18
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.16
Charlotte, NC	CO	Maintenance	100	-	-0.02	-0.07	-0.56
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.04	-0.15	-1.23
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.04	-0.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-0.17	-0.62	-5.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-0.18	-0.64	-5.27
Chico, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.05	-0.17	-1.37

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.16	-1.33
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	-0.04	-0.15	-1.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.12
Cleveland, OH	CO	Maintenance	100	-	-0.02	-0.06	-0.53
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.06	-0.20	-1.67
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.05	-0.19	-1.53
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.07	-0.57
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	-0.02	-0.06	-0.47
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.45
Columbus, OH	Ozone	Maintenance	100	-	-0.04	-0.16	-1.29
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.15	-1.20
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.53
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.02	-0.06	-0.46
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-0.18	-0.67	-5.52
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.02	-0.06	-0.52
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.46
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.28	-2.31
Denver-Boulder, CO	CO	Maintenance	100	-	-0.07	-0.27	-2.21
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.09	-0.34	-2.79
Detroit, MI	CO	Maintenance	100	-	-0.03	-0.10	-0.83
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.11	-0.38	-3.16
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.10	-0.38	-3.10

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.35
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.16
Evansville, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.21
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	-0.01	-0.04	-0.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.02	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.25
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.34

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	-0.02	-0.06	-0.46
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.02	-0.07	-0.60
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.04	-0.13	-1.07
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.09
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.09
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.04	-0.13	-1.09
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.07	-0.57
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.02	-0.08	-0.63
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-0.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.02	-0.08	-0.68
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.19
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.41	-3.76	-11.90
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.19
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	-0.01	-0.02	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.05	-0.18	-1.46
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.14	-1.16
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.10
Jefferson County, NY	Ozone	Moderate	50	-	-0.00	-0.01	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.14
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.06
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	-0.04	-0.33
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.04	-0.15	-1.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.03

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.11	-0.92
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.08	-0.69
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.19
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.07
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.32
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.32
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.01	-0.04	-0.32
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Las Vegas, NV	CO	Serious	100	-	-0.04	-0.15	-1.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.04	-0.15	-1.27
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.07
Longmont, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.08
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.41	-1.67	-12.17
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.41	-1.67	-12.17
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.41	-1.67	-12.17
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.41	-1.67	-12.17
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.41	-1.67	-12.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.02	-0.06	-0.53
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.02	-0.09	-0.74
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.09	-0.70
Lowell, MA	CO	Maintenance	100	-	-0.00	-0.01	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	-0.00	-0.01	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.06
Marion County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.19
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.22
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Medford, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.02	-0.07	-0.62
Memphis, TN	CO	Maintenance	100	-	-0.02	-0.07	-0.57
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-0.01	-0.04	-0.33
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.04	-0.15	-1.24
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.08	-0.42	-2.48
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.07	-0.25	-2.03
Missoula, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	-0.01	-0.03	-0.26
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Nashua, NH	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.15	-1.22
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.14
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.02	-0.06	-0.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.17	-0.63	-5.16
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.34	-1.23	-10.11
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.34	-1.22	-10.02
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.04	-0.13	-1.06
Ogden, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.01	-0.03	-0.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.10	-0.36	-2.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.15	-0.53	-4.36
Phoenix, AZ	CO	Maintenance	100	-	-0.15	-0.54	-4.47
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.15	-0.56	-4.59
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.15	-0.56	-4.60
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.04	-0.15	-1.27
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.04	-0.14	-1.16
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	-0.01	-0.05	-0.39

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.03	-0.10	-0.79
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.04	-0.13	-1.09
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	-0.02	-0.09	-0.70
Provo, UT	CO	Maintenance	100	-	-0.00	-0.02	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.03	-0.12	-1.01
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.05	-0.17	-1.37
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.22
Reno, NV	CO	Maintenance	100	-	-0.01	-0.02	-0.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.03	-0.10	-0.83
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.02	-0.07	-0.57
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.03	-0.11	-0.90
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.08
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.04	-0.16	-1.29
Sacramento Metro, CA	Ozone	Severe	25	-	-0.08	-0.29	-2.39
Sacramento, CA	CO	Maintenance	100	-	-0.05	-0.18	-1.45
Salem, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.19	-0.56

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Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.04	-0.26	-1.15
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.02	-0.09	-0.74
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.05	-0.17	-1.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.32
San Diego, CA	CO	Maintenance	100	-	-0.12	-0.42	-3.45
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.12	-0.42	-3.46
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.17	-0.60	-4.96
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.19	-0.68	-5.56
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.13	-0.53	-4.00
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.13	-0.53	-4.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.13	-0.53	-4.00
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.02	-0.05	-0.45
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.07	-0.27	-2.23
Sheboygan, WI	Ozone	Moderate	50	-	-0.00	-0.01	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.01	-0.04	-0.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.22
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.22
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.02	-0.07	-0.60
Springfield, MA	CO	Maintenance	100	-	-0.00	-0.01	-0.11
St. Louis, MO	CO	Maintenance	100	-	-0.02	-0.06	-0.50
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.06	-0.23	-1.87
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.06	-0.23	-1.86

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Stockton, CA	CO	Maintenance	100	-	-0.01	-0.05	-0.41
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.04	-0.33
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.07
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Toledo, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.35
Toms River, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.07
Trenton, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	-0.03	-0.09	-0.76
Utah County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.05	-0.37
Vancouver, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.25
Ventura County, CA	Ozone	Serious	50	-	-0.02	-0.09	-0.72
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.04	-0.14	-1.14

Appendix B

Table B.1-112
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.14	-0.50	-4.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.13	-0.48	-3.99
Washoe County, NV	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.08
Winston-Salem, NC	CO	Maintenance	100	-	-0.01	-0.03	-0.29
Worcester, MA	CO	Maintenance	100	-	-0.01	-0.02	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.03
York, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.32
York, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.01	-0.05	-0.37
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	-	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Albuquerque, NM	CO	Maintenance	100	-	-	-	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	-	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	-	0.01
Altoona, PA	Ozone	Maintenance	100	-	-	-	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Anchorage, AK	CO	Maintenance	100	-	-	-	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	-	-	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	-	0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.12
Atlantic City, NJ	CO	Maintenance	100	-	-	-	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	-	-	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	-	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.04	-0.06	-0.14
Benton County, TN	SO _x	Maintenance	100	-	-	-	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	-	0.00
Benzie County, MI	Ozone	Maintenance	100	-	-	-	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	-	0.00
Billings, MT	CO	Maintenance	100	-	-	-	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	-0.00	0.02

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	-	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	-	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	-	0.00
Boston, MA	CO	Maintenance	100	-	-	-	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	-	0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	-	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	-	-	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Burlington, NJ	CO	Maintenance	100	-	-	-	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	-	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Case County, MI	Ozone	Maintenance	100	-	-	-	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	-	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	-	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	-	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Charlotte, NC	CO	Maintenance	100	-	-	-	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	-	0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	-	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	-	0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.13
Chico, CA	CO	Maintenance	100	-	-	-	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	-	0.04

Appendix B

Table B.1-113							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2021							
				Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	-	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	-	0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	-	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	-	0.00
Cleveland, OH	CO	Maintenance	100	-	-	-	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	-	0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	-	0.01
Colbert County, AL	SO _x	Maintenance	100	-	-	-	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	-	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	-	0.01
Columbus, OH	Ozone	Maintenance	100	-	-	-	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	-	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	-	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	-	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	-	0.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	-	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	-	0.05
Denver-Boulder, CO	CO	Maintenance	100	-	-	-	0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	-	0.06
Detroit, MI	CO	Maintenance	100	-	-	-	0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	-	0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	-	0.08

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Table B.1-113							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Duluth, MN	CO	Maintenance	100	-	-	-	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	-	0.00
East Chicago, IN	CO	Maintenance	100	-	-	-	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	-	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	-	0.01
El Paso, TX	CO	Maintenance	100	-	-	-	0.00
Erie, PA	Ozone	Maintenance	100	-	-	-	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	-	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Evansville, IN	Ozone	Maintenance	100	-	-	-	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Fairbanks, AK	CO	Maintenance	100	-	-	-	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	-	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Flint, MI	Ozone	Maintenance	100	-	-	-	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	-	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	-	0.01
Franklin County, PA	Ozone	Maintenance	100	-	-	-	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	-	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	-	-	0.01

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Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	-	0.00
Fresno, CA	CO	Maintenance	100	-	-	-	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	-	-	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	-	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	-	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Great Falls, MT	CO	Maintenance	100	-	-	-	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	-	0.03
Greeley, CO	CO	Maintenance	100	-	-	-	0.00
Green Bay, WI	SO _x	Maintenance	100	-	-	-	0.00
Greene County, IN	Ozone	Maintenance	100	-	-	-	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	-	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	-	0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	-	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	-	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	-	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	-	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	-	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	-	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	-	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	-	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	-	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	-	-	0.00

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.05	-0.08	-0.10
Humphreys County, TN	SO _x	Maintenance	100	-	-	-	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	-	0.00
Huron County, MI	Ozone	Maintenance	100	-	-	-	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	-	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	-	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	-	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	-	0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Jackson County, IN	Ozone	Maintenance	100	-	-	-	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Jefferson County, NY	Ozone	Moderate	50	-	-	-	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	-	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	-	0.00
Johnstown, PA	Ozone	Maintenance	100	-	-	-	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	-	-	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	-	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	-	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	-	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	-	-	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	-	0.00

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	-	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
La Porte County, IN	SO _x	Maintenance	100	-	-	-	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	-	0.01
Lake County, OH	SO _x	Maintenance	100	-	-	-	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	-	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	-	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	-	0.01
LaPorte, IN	Ozone	Maintenance	100	-	-	-	0.00
Las Vegas, NV	CO	Serious	100	-	-	-	0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	-	0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	-	-	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	-	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Lima, OH	Ozone	Maintenance	100	-	-	-	0.00
Longmont, CO	CO	Maintenance	100	-	-	-	0.00
Lorain County, OH	SO _x	Maintenance	100	-	-	-	0.00

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.00	-0.01	0.26
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.00	-0.01	0.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.00	-0.01	0.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.00	-0.01	0.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	0.26
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-	-	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Lowell, MA	CO	Maintenance	100	-	-	-	0.00
Lucas County, OH	SO _x	Maintenance	100	-	-	-	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Macon, GA	Ozone	Maintenance	100	-	-	-	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	-	0.00
Madison, WI	SO _x	Maintenance	100	-	-	-	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Manchester, NH	CO	Maintenance	100	-	-	-	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Marion County, IN	SO _x	Maintenance	100	-	-	-	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Mason County, MI	Ozone	Maintenance	100	-	-	-	0.00
Medford, OR	CO	Maintenance	100	-	-	-	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-	-	0.02
Memphis, TN	CO	Maintenance	100	-	-	-	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	-	0.00

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Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	-	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	-	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	-	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	-0.00	0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	-	0.05
Missoula, MT	CO	Maintenance	100	-	-	-	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Modesto, CA	CO	Maintenance	100	-	-	-	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Morristown, NJ	CO	Maintenance	100	-	-	-	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	-	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	-	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	-	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	-	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	-	0.00
Nashua, NH	CO	Maintenance	100	-	-	-	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	-	0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	-	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	-	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	-	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	-	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	-	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	-	0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	-	0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

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**Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	-	0.03
Ogden, UT	CO	Maintenance	100	-	-	-	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	-	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	-	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	-	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	-	-	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	-	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	-	0.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	-	0.12
Phoenix, AZ	CO	Maintenance	100	-	-	-	0.08
Phoenix, AZ	PM ₁₀	Serious	70	-	-	-	0.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	-	0.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	-	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	-	0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Polk County, TN	SO _x	Maintenance	100	-	-	-	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Portland, ME	Ozone	Maintenance	100	-	-	-	0.01

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Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	-0.00	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	-	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	-	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	-	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	-	0.02
Provo, UT	CO	Maintenance	100	-	-	-	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	-	-	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	-	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Reading, PA	Ozone	Maintenance	100	-	-	-	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Reno, NV	CO	Maintenance	100	-	-	-	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	-	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	-	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	-	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	-	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-	-	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	-	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	-	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	-	-	0.05
Sacramento, CA	CO	Maintenance	100	-	-	-	0.03
Salem, OR	CO	Maintenance	100	-	-	-	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.01

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Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	-	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	-	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
San Diego, CA	CO	Maintenance	100	-	-	-	0.07
San Diego, CA	Ozone	Former Subpart 1	50	-	-	-	0.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	-	0.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	-	0.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	-0.00	0.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	-	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	-	0.05
Sheboygan, WI	Ozone	Moderate	50	-	-	-	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-	-	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Somerville, NJ	CO	Maintenance	100	-	-	-	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	-	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	-	-	0.02
Springfield, MA	CO	Maintenance	100	-	-	-	0.00
St. Louis, MO	CO	Maintenance	100	-	-	-	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	-	-	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	-	0.05

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Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	-	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Stockton, CA	CO	Maintenance	100	-	-	-	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Syracuse, NY	CO	Maintenance	100	-	-	-	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	-	0.00
Tioga County, PA	Ozone	Maintenance	100	-	-	-	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	-	0.01
Toms River, NJ	CO	Maintenance	100	-	-	-	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	-	-	0.00
Trenton, NJ	CO	Maintenance	100	-	-	-	0.00
Trona, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Tucson, AZ	CO	Maintenance	100	-	-	-	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	-	-	0.01
Vancouver, WA	CO	Maintenance	100	-	-	-	0.01
Ventura County, CA	Ozone	Serious	50	-	-0.00	-0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Waltham, MA	CO	Maintenance	100	-	-	-	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	-	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	-	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	-	-	0.03

Appendix B

Table B.1-113
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	-	0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	-	0.10
Washoe County, NV	PM ₁₀	Serious	70	-	-	-	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Winston-Salem, NC	CO	Maintenance	100	-	-	-	0.01
Worcester, MA	CO	Maintenance	100	-	-	-	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Yakima, WA	CO	Maintenance	100	-	-	-	0.00
York, PA	Ozone	Maintenance	100	-	-	-	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	-	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Albuquerque, NM	CO	Maintenance	100	-	-	0.00	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.02	0.43
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.43
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.01	0.19
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.19
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.09	-0.16	-0.29
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.01
Billings, MT	CO	Maintenance	100	-	-	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.00	0.06

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Table B.1-114							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Boston, MA	CO	Maintenance	100	-	-	0.00	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.02	0.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.00	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	-	0.00	0.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.00	0.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.02	0.45
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.46
Chico, CA	CO	Maintenance	100	-	-	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.01	0.13

Appendix B

**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.12
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.00	0.10
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	-	0.00	0.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.01	0.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.15
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.04
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	0.00	0.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.04
Columbus, OH	Ozone	Maintenance	100	-	-	0.01	0.11
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.00	0.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.02	0.44
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.00	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.19
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.01	0.18
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.01	0.23
Detroit, MI	CO	Maintenance	100	-	-	0.00	0.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.01	0.29

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**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.03

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Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	-	0.00	0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.00	0.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.00	0.10
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.00	0.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.00	0.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-114							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.12	-0.21	-0.08
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.01	0.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.01	0.11
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.00

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Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.06
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	-	0.00	0.10
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.00	0.10
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.00

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**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.01	0.03	0.93
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.01	0.03	0.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.01	0.03	0.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.01	0.03	0.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.01	0.03	0.93
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.00	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.00	0.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.07
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Medford, OR	CO	Maintenance	100	-	-	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.00	0.06
Memphis, TN	CO	Maintenance	100	-	-	0.00	0.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00

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**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.01	0.11
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.00	0.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.01	0.18
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.00	0.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.00	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.02	0.50
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.04	0.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.04	0.93
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00

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**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.00	0.10
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.01	0.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.02	0.41
Phoenix, AZ	CO	Maintenance	100	-	-	0.01	0.30
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.01	0.31
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.01	0.31
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.01	0.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.12
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.00	0.04

Appendix B

Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.00	0.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.00	0.09
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.00	0.06
Provo, UT	CO	Maintenance	100	-	-	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.00	0.08
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.01	0.11
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Reno, NV	CO	Maintenance	100	-	-	0.00	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.00	0.08
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.00	0.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.00	0.09
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.01	0.17
Sacramento, CA	CO	Maintenance	100	-	-	0.01	0.11
Salem, OR	CO	Maintenance	100	-	-	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01

Appendix B

Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.04
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.00	0.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.01	0.12
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
San Diego, CA	CO	Maintenance	100	-	-	0.01	0.26
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.26
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.02	0.41
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.02	0.46
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.01	0.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.01	0.19
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	-0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.00	0.06
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	-	0.00	0.06
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.01	0.19
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.01	0.19

Appendix B

Table B.1-114							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	-	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.00	0.06
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.00	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.00	0.10

Appendix B

**Table B.1-114
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.02	0.34
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.34
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.03
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.00
York, PA	Ozone	Maintenance	100	-	-	0.00	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.00	0.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.31
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.14
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.14
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	1.70
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	1.70
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.10
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.75
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.75
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.03	0.12
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.15	-0.39	-0.61
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.24

Appendix B

**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.24
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.00	0.20
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	1.24
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.16
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.27
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.01	0.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.12
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	1.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	1.81
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.48

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Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.40
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.21
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.01	0.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.55
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.18
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.16
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.40
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	1.82
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	0.19
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.17
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.77
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.74
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.93
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	1.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	1.09

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Table B.1-115							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.12
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.11

Appendix B

**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.15
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.20
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.01	0.39
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.39
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.19
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.21
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.25
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.20	-0.51	0.44
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.40
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.42
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.23
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.11
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.40
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.41
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.03	0.05	3.80
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.03	0.05	3.80
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.03	0.05	3.80
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.03	0.05	3.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	3.80
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.25
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.23
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.21
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.43
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	-0.01	0.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.70
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.18
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	1.85
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.04	0.09	3.57
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.04	0.09	3.53
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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**Table B.1-115
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Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.37
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.03	1.05
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	1.55
Phoenix, AZ	CO	Maintenance	100	-	0.02	0.03	1.37
Phoenix, AZ	PM ₁₀	Serious	70	-	0.02	0.03	1.41
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.02	0.03	1.41
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.42
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.14

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Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.27
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.36
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.24
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.46
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.29
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.32
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.41
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.75
Sacramento, CA	CO	Maintenance	100	-	0.01	0.01	0.46
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.03	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.02	0.20
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.25
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.11
San Diego, CA	CO	Maintenance	100	-	0.01	0.03	1.11
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	1.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.04	1.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.05	1.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.02	1.22
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	1.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	1.22
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.16
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.75
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.21
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.04
St. Louis, MO	CO	Maintenance	100	-	0.00	0.00	0.20
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.68
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.68

Appendix B

**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.13
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.13
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.08
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.38

Appendix B

**Table B.1-115
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	1.37
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	1.34
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.10
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.00	-	0.46
Albuquerque, NM	CO	Maintenance	100	-	-0.00	-	0.21
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.00	-	0.21
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	-	0.08
Anchorage, AK	CO	Maintenance	100	-	-0.00	-	0.06
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Atlanta, GA	Ozone	Moderate	50	-	-0.02	-	2.61
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-	2.61
Atlantic City, NJ	CO	Maintenance	100	-	-0.00	-	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.16
Baltimore, MD	CO	Maintenance	100	-	-0.00	-	0.00
Baltimore, MD	Ozone	Moderate	50	-	-0.01	-	1.12
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-	1.12
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.02	0.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.28	-0.54
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-	0.05
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-	0.06
Billings, MT	CO	Maintenance	100	-	-0.00	-	0.03
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	-0.00	0.34

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.34
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.00	-	0.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.00	-	0.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Boston, MA	CO	Maintenance	100	-	-0.00	-	0.30
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.01	-	1.83
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	-	0.24
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.00	-	0.39
Burlington, NJ	CO	Maintenance	100	-	-0.00	-	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-	0.09
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.09
Case County, MI	Ozone	Maintenance	100	-	-0.00	-	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-	0.00
Charleston, WV	Ozone	Maintenance	100	-	-0.00	-	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.08
Charlotte, NC	CO	Maintenance	100	-	-0.00	-	0.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.01	-	0.63
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	-	0.17
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-0.02	-	2.62
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-0.02	-	2.71
Chico, CA	CO	Maintenance	100	-	-0.00	-	0.05
Chico, CA	Ozone	Former Subpart 1	50	-	-0.00	-	0.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.01	-	0.70

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.01	-	0.68
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-0.01	-	0.65
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.00	-	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-	0.06
Cleveland, OH	CO	Maintenance	100	-	-0.00	-	0.27
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.01	-	0.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.01	-	0.79
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.00	-	0.30
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-	0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-	0.24
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.00	-	0.23
Columbus, OH	Ozone	Maintenance	100	-	-0.01	-	0.66
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.01	-	0.62
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.00	-	0.27
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.00	-	0.24
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-0.02	-	2.84
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.00	-	0.27
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.24
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.01	-	1.19
Denver-Boulder, CO	CO	Maintenance	100	-	-0.01	-	1.14
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.01	-	1.43
Detroit, MI	CO	Maintenance	100	-	-0.00	-	0.43
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.01	-	1.63
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.01	-	1.60

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.00	-	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	-	0.01
Duluth, MN	CO	Maintenance	100	-	-0.00	-	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-	0.00
East Chicago, IN	CO	Maintenance	100	-	-0.00	-	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.00	-	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-	0.18
El Paso, TX	CO	Maintenance	100	-	-0.00	-	0.01
Erie, PA	Ozone	Maintenance	100	-	-0.00	-	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.00	-	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.00	-	0.08
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-	0.09
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.11
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.00	-	0.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Flint, MI	Ozone	Maintenance	100	-	-0.00	-	0.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.00	-	0.13
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-	0.18

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	-	0.01
Fresno, CA	CO	Maintenance	100	-	-0.00	-	0.23
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.00	-	0.31
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-	0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.00	-	0.55
Greeley, CO	CO	Maintenance	100	-	-0.00	-	0.05
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-	0.04
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-	0.02
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.00	-	0.56
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.27
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.00	-	0.30
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.00	-	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.00	-	0.32
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.00	-	0.35
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.00	-	0.10
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-	0.00

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.05	-0.38	1.21
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-	0.05
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-	0.01
Imperial County, CA	Ozone	Moderate	50	-	-0.00	-	0.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.00	-	0.09
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.01	-	0.75
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.60
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	-	0.05
Jefferson County, NY	Ozone	Moderate	50	-	-0.00	-	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.00	-	0.07
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-	0.17
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.01	-	0.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.00	-	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-	0.02

Appendix B

Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.00	-	0.47
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.36
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Lake County, IN	SO _x	Maintenance	100	-	-0.00	-	0.10
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.00	-	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.00	-	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	-	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	-	0.16
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.16
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.00	-	0.17
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-	0.03
Las Vegas, NV	CO	Serious	100	-	-0.01	-	0.65
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.01	-	0.65
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	-	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.00
Lima, OH	Ozone	Maintenance	100	-	-0.00	-	0.04
Longmont, CO	CO	Maintenance	100	-	-0.00	-	0.04
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	-	0.02

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Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.05	-0.03	5.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.05	-0.03	5.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.05	-0.03	5.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.05	-0.03	5.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.03	5.86
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	-0.00	0.27
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.00	-	0.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.36
Lowell, MA	CO	Maintenance	100	-	-0.00	-	0.04
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	-	0.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-	0.02
Macon, GA	Ozone	Maintenance	100	-	-0.00	-	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-	0.00
Madison, WI	SO _x	Maintenance	100	-	-0.00	-	0.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Manchester, NH	CO	Maintenance	100	-	-0.00	-	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.00	-	0.03
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-	0.10
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	-	0.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.11
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-	0.01
Medford, OR	CO	Maintenance	100	-	-0.00	-	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.00	-	0.08
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.00	-	0.32
Memphis, TN	CO	Maintenance	100	-	-0.00	-	0.29
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-	0.01

Appendix B

**Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-0.00	-	0.17
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.01	-	0.64
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.02	1.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.01	-	1.05
Missoula, MT	CO	Maintenance	100	-	-0.00	-	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.02
Modesto, CA	CO	Maintenance	100	-	-0.00	-	0.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.00	-	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-	0.00
Morristown, NJ	CO	Maintenance	100	-	-0.00	-	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-	0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.00	-	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-	0.01
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-	0.05
Nashua, NH	CO	Maintenance	100	-	-0.00	-	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	-	0.63
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.00	-	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.00	-	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.00	-	0.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	-	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.02	-	2.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.04	-	5.21
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.04	-	5.16
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.02

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Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.00	-	0.54
Ogden, UT	CO	Maintenance	100	-	-0.00	-	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	-	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	-	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	-0.00	-	0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	-	0.12
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.01	-	1.51
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.02	-	2.25
Phoenix, AZ	CO	Maintenance	100	-	-0.02	-	2.30
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.02	-	2.36
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.02	-	2.37
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.01	-	0.66
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.60
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-	0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Portland, ME	Ozone	Maintenance	100	-	-0.00	-	0.20

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Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	-0.00	0.40
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.00	-	0.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	-	0.36
Provo, UT	CO	Maintenance	100	-	-0.00	-	0.07
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.00	-	0.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.01	-	0.71
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	-	0.11
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.11
Reno, NV	CO	Maintenance	100	-	-0.00	-	0.09
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	-	0.43
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.00	-	0.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-	0.09
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.00	-	0.46
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-	0.06
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.01	-	0.66
Sacramento Metro, CA	Ozone	Severe	25	-	-0.01	-	1.23
Sacramento, CA	CO	Maintenance	100	-	-0.01	-	0.75
Salem, OR	CO	Maintenance	100	-	-0.00	-	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.02	0.03

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Table B.1-116
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.02	0.33
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.00	-	0.38
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.01	-	0.71
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.17
San Diego, CA	CO	Maintenance	100	-	-0.01	-	1.78
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.01	-	1.78
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.02	-	2.55
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.02	-	2.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.02	-0.01	1.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.02	-0.01	1.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.01	1.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.00	-	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.00	-	0.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.01	-	1.15
Sheboygan, WI	Ozone	Moderate	50	-	-0.00	-	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	-	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-	0.16
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.11
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.00	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.00	-	0.31
Springfield, MA	CO	Maintenance	100	-	-0.00	-	0.05
St. Louis, MO	CO	Maintenance	100	-	-0.00	-	0.26
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.01	-	0.96
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.01	-	0.96

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Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	-	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.03
Stockton, CA	CO	Maintenance	100	-	-0.00	-	0.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-	0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-	0.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-	0.04
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	-	0.02
Toledo, OH	Ozone	Maintenance	100	-	-0.00	-	0.18
Toms River, NJ	CO	Maintenance	100	-	-0.00	-	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-	0.04
Trenton, NJ	CO	Maintenance	100	-	-0.00	-	0.03
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-	0.00
Tucson, AZ	CO	Maintenance	100	-	-0.00	-	0.39
Utah County, UT	PM ₁₀	Moderate	100	-	-0.00	-	0.19
Vancouver, WA	CO	Maintenance	100	-	-0.00	-	0.13
Ventura County, CA	Ozone	Serious	50	-	-0.00	-0.00	0.36
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	-	0.02
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	-	0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-	0.07
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.00	-	0.59

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**Table B.1-116
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.02	-	2.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.02	-	2.05
Washoe County, NV	PM ₁₀	Serious	70	-	-0.00	-	0.09
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-	0.04
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-	0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.04
Winston-Salem, NC	CO	Maintenance	100	-	-0.00	-	0.15
Worcester, MA	CO	Maintenance	100	-	-0.00	-	0.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-	0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-	0.02
York, PA	Ozone	Maintenance	100	-	-0.00	-	0.17
York, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-	0.13
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.00	-	0.19
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.00	-	0.08

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.05	-0.09	-0.46
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.00	-0.11
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Anchorage, AK	CO	Maintenance	100	-	-0.02	-0.03	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.05	0.03	-1.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-1.08
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.00	-0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.07	-0.35
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-0.35
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.03	-0.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.01	-0.11
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Billings, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	-0.17

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.02	-0.10
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.10	0.13	-0.57
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	-0.07
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.06
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	-0.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	-0.00	-0.29
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.17
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.15
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.11	0.12	-0.92
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.12	-0.97
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.32

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.02	-0.20
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Cleveland, OH	CO	Maintenance	100	-	0.00	-0.00	-0.18
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.42
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.07
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.19
Columbus, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.31
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.28
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.18
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.14
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.07	0.07	-1.03
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	-0.00	-0.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.13
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.35
Denver-Boulder, CO	CO	Maintenance	100	-	0.05	0.06	-0.33
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.49
Detroit, MI	CO	Maintenance	100	-	0.00	-0.01	-0.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.86
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.83

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.09
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.08
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.12
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.08

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	-0.08
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.15
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.03	-0.23
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.01	-0.27
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.05	-0.29
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.02	-0.14
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.06	-0.15	-1.37
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.38
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.30
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.08
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.04	-0.08	-0.49
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.02

Appendix B

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.05	-0.35
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.28
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.07
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Las Vegas, NV	CO	Serious	100	-	0.02	0.02	-0.20
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.23	0.26	-1.98
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.23	0.26	-1.98
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.23	0.26	-1.98
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.23	0.26	-1.98
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.23	0.26	-1.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	-0.09
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	-0.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.19
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.09
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.00	-0.01	-0.21
Memphis, TN	CO	Maintenance	100	-	0.01	0.00	-0.15
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.01	-0.28
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.02	-0.06	-0.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.02	-0.06	-0.65
Missoula, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	-0.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.38	-0.65	-1.74
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.63	-1.15	-4.35
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.53	-1.04	-5.30
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.53	-1.03	-5.24
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.02	-0.23
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.79
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.04	-1.06
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.09	-0.55
Phoenix, AZ	PM ₁₀	Serious	70	-	0.08	0.09	-0.56
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.57
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.33
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.07

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Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.00	-0.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.01	-0.21
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	-0.00	-0.18
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.02	-0.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	-0.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.05
Reno, NV	CO	Maintenance	100	-	0.00	0.01	-0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	-0.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	-0.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.20
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.03	-0.18
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.04	-0.35
Sacramento, CA	CO	Maintenance	100	-	0.03	0.03	-0.20
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.03

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Table B.1-117							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Benzene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
San Diego, CA	CO	Maintenance	100	-	0.08	0.10	-0.46
San Diego, CA	Ozone	Former Subpart 1	50	-	0.08	0.10	-0.46
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.09	0.11	-0.83
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.11	0.13	-0.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.03	-0.70
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.70
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.03	-0.08	-0.72
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.02	-0.10
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.02
St. Louis, MO	CO	Maintenance	100	-	-0.00	-0.02	-0.21
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	-0.01	-0.55
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.54

Appendix B

Table B.1-117							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Benzene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-0.01	-0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.09
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	-0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.06
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	-0.10
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.04	-0.19

Appendix B

Table B.1-117
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.09	0.11	-0.66
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.63
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	-0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.00	-0.08
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.08
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.11	-0.25	-1.77
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.01	-0.58
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.52
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.11
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.13
Anchorage, AK	CO	Maintenance	100	-	-0.04	-0.09	-0.33
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.12	0.04	-6.19
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.04	-6.19
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.01	-0.44
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.13	0.15	-2.46
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.13	0.15	-2.46
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.09	-0.88
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.04	-0.47
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.21
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Billings, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.00	-0.94

Appendix B

Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.05	-0.42
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.42
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.04	0.05	-0.69
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.24	0.29	-4.11
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.04	-0.52
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.02	-1.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.30
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.30
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.00	-0.25
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.25
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	-0.64
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	-0.02	-1.58
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.03	-0.08	-0.69
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.03	-0.07	-0.62
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.25	0.27	-6.00
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.26	-6.25
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.01	-1.82

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-1.75
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.05	-1.29
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.05	-0.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.23
Cleveland, OH	CO	Maintenance	100	-	0.01	-0.02	-0.91
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.02	-2.36
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-2.18
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.04	-0.51
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.04	-0.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.09	-0.81
Columbus, OH	Ozone	Maintenance	100	-	0.01	-0.03	-1.65
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-1.51
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.91
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	-0.01	-0.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.18	0.13	-6.24
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	-0.01	-0.80
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.71
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.13	0.15	-2.44
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.15	-2.34
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.12	0.11	-3.11
Detroit, MI	CO	Maintenance	100	-	0.01	-0.04	-1.57
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.03	-0.08	-4.51
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.03	-0.07	-4.41

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.48
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.06	-0.34
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.33
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.26
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.36
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.26
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.19
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.06	-0.47
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.20
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.01	-0.41

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	-0.50
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	-0.02	-0.80
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.05
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.05	-1.41
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.12
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.00	-1.51
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.71
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.06	-0.14	-1.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.75
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.70
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.05	-0.89
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.17
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.28
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.14	-0.44	-6.26
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.41
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.03	-0.22
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.19
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.19
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	-0.05	-1.98
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-1.56
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.15
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.05	-0.31
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.13
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	-0.03	-0.53
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.09	-0.21	-2.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.08

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.06	-0.15	-1.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.05	-0.13	-1.16
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.26
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.38
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.38
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.42
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.13
Las Vegas, NV	CO	Serious	100	-	0.05	0.05	-1.29
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.05	-1.31
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.08
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.04

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Table B.1-118
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.54	0.57	-12.98
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.54	0.57	-12.98
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.54	0.57	-12.98
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.54	0.57	-12.98
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.54	0.57	-12.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.03	-0.58
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.00	-1.05
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-1.02
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.27
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.27
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.24
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.09
Marion County, IN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.34
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.38
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.01	-0.04	-1.02
Memphis, TN	CO	Maintenance	100	-	0.02	0.00	-0.85
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.49
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.02	-1.62
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.05	-0.19	-3.12
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.05	-0.18	-3.04
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.11
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.11
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	-0.29
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.15
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.01	-1.52
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.02	-0.68
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.90	-1.71	-4.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.53	-3.10	-14.40
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.30	-2.87	-20.45
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.28	-2.83	-20.24
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04

Appendix B

Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.03	-1.40
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.11
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.17
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.08
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.02	-0.33
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	-0.04	-4.24
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.13	0.04	-5.99
Phoenix, AZ	CO	Maintenance	100	-	0.19	0.22	-3.90
Phoenix, AZ	PM ₁₀	Serious	70	-	0.20	0.23	-4.02
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.20	0.23	-4.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	-0.04	-1.97
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-1.76
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.47

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Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	-0.01	-1.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.02	-1.23
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	-0.01	-0.95
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.16
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.04	-1.13
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.05	-1.56
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.31
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.03	-1.08
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.04	-0.51
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.27
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.03	-1.19
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.20
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.15
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.07	-1.25
Sacramento Metro, CA	Ozone	Severe	25	-	0.09	0.09	-2.31
Sacramento, CA	CO	Maintenance	100	-	0.07	0.07	-1.39
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.13
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.19

Appendix B

**Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.93
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.01	-0.93
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.06	-0.17	-2.12
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.35
San Diego, CA	CO	Maintenance	100	-	0.19	0.23	-3.37
San Diego, CA	Ozone	Former Subpart 1	50	-	0.19	0.23	-3.37
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.23	0.24	-5.43
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.27	0.29	-6.12
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.10	0.05	-4.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.05	-4.15
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.05	-4.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.01	-0.64
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.07	-0.22	-3.31
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.45
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.15
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.34
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.34
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.05	-0.72
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.12
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.05	-0.97
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	-0.05	-2.87
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	-0.05	-2.85

Appendix B

Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.14
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.41
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.04	-0.56
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.18
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.01	-0.00	-0.51
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.13
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.02	-0.87
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.47
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.01	-0.30
Ventura County, CA	Ozone	Serious	50	-	0.04	0.04	-0.69
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.18
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.26
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.08	-1.28

Appendix B

Table B.1-118
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.22	0.25	-4.48
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.22	0.25	-4.36
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.03	-0.20
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.20
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.01	-0.40
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.05
York, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.43
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.60
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.17

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.10	-0.85	-11.16
Albuquerque, NM	CO	Maintenance	100	-	0.05	-0.14	-4.54
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	-0.06	-1.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.08	-0.08	-4.45
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.03	-0.75
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-1.48
Anchorage, AK	CO	Maintenance	100	-	-0.06	-0.23	-1.59
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Atlanta, GA	Ozone	Moderate	50	-	0.81	-1.24	-53.47
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.81	-1.24	-53.49
Atlantic City, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.37
Bakersfield, CA	CO	Maintenance	100	-	0.04	-0.11	-3.63
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.07
Baltimore, MD	Ozone	Moderate	50	-	0.48	-0.23	-22.72
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.48	-0.23	-22.72
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.36	-5.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.00	-0.18	-3.13
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.08	-1.37
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	-0.07	-1.25
Billings, MT	CO	Maintenance	100	-	-0.00	-0.05	-0.62
Birmingham, AL	Ozone	Maintenance	100	-	0.11	-0.19	-7.48

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.11	-0.19	-7.50
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.18	-2.86
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.18	-2.86
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.16
Boston, MA	CO	Maintenance	100	-	0.13	-0.06	-6.17
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.82	-0.31	-37.66
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.11	-0.04	-4.92
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.14	-0.18	-8.49
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.20
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	-0.09	-2.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.09	-2.21
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.02	-0.34
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.03	-0.05	-1.93
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	-0.05	-1.93
Charlotte, NC	CO	Maintenance	100	-	0.11	-0.09	-5.82
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.17	-0.36	-13.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.29	-4.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.26	-4.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.03	-0.76	-53.78
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.05	-0.82	-55.70
Chico, CA	CO	Maintenance	100	-	0.02	-0.02	-0.98
Chico, CA	Ozone	Former Subpart 1	50	-	0.04	-0.04	-2.15
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.22	-0.36	-15.05

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Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.22	-0.34	-14.56
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	0.24	-0.18	-12.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.18	-2.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.10	-1.48
Cleveland, OH	CO	Maintenance	100	-	0.07	-0.22	-6.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.28	-0.46	-18.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.26	-0.42	-17.42
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.12	-0.03	-5.42
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.03	-0.46
Colorado Springs, CO	CO	Maintenance	100	-	0.03	-0.21	-5.05
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.34	-5.44
Columbus, OH	Ozone	Maintenance	100	-	0.17	-0.41	-13.74
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.16	-0.36	-12.71
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.07	-0.22	-6.60
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.06	-0.18	-5.48
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.96	-1.07	-56.57
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.07	-0.19	-6.13
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	-0.16	-5.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.50	-0.22	-23.38
Denver-Boulder, CO	CO	Maintenance	100	-	0.47	-0.22	-22.37
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.53	-0.44	-28.60
Detroit, MI	CO	Maintenance	100	-	0.12	-0.38	-11.22
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.41	-1.10	-35.60
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.42	-1.06	-34.89

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.29
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.26
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.21
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.04	-0.64
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	-0.02	-1.46
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	-0.12	-3.87
El Paso, TX	CO	Maintenance	100	-	0.00	-0.01	-0.24
Erie, PA	Ozone	Maintenance	100	-	0.02	-0.04	-1.66
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.03	-0.18	-2.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.03	-0.18	-2.02
Evansville, IN	Ozone	Maintenance	100	-	0.02	-0.07	-1.96
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.12	-2.56
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.04	-0.22
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.04	-0.04	-2.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.07
Flint, MI	Ozone	Maintenance	100	-	0.05	-0.10	-3.85
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.01	-0.06	-1.51
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.21	-3.09
Franklin County, PA	Ozone	Maintenance	100	-	0.00	-0.07	-1.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.11	-1.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	-0.10	-3.52

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.14
Fresno, CA	CO	Maintenance	100	-	0.09	-0.06	-4.67
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	-0.21	-6.54
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.28
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.31
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	0.22	-0.20	-11.92
Greeley, CO	CO	Maintenance	100	-	0.00	-0.05	-1.05
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.03	-0.97
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.02	-0.40
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.03	-0.38
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.17	-0.32	-12.20
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.10	-0.12	-5.89
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.52	-7.37
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.17
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.03	-0.89
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.12	-0.12	-6.64
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.10	-0.12	-6.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.15	-0.10	-7.56
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.32
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.01	-0.31
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	-0.04	-1.29
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	-0.07	-2.18
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.23	-2.15	-46.64
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.19	-2.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.10	-1.30
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.23
Imperial County, CA	Ozone	Moderate	50	-	0.03	-0.03	-1.80
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.03	-0.03	-1.77
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.25
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.18	-0.51	-16.00
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.15	-0.39	-12.67
Jackson County, IN	Ozone	Maintenance	100	-	0.00	-0.04	-0.63
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.04	-1.17
Jefferson County, NY	Ozone	Moderate	50	-	0.02	-0.02	-0.91
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.16	-1.84
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.04	-0.70
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.05	-0.78
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.15
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	-0.16	-3.90
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.28
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.01	-0.84	-14.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	-0.00	-1.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.22
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	-0.02	-0.63
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.01	-0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.04	-0.44

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.44
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	-0.60	-10.45
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.49	-8.05
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.14
Lake County, IN	SO _x	Maintenance	100	-	0.04	-0.04	-2.14
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.26
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	-0.00	-0.26
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	-0.00	-0.58
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.15
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.07	-0.04	-3.38
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.07	-0.04	-3.38
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.06	-0.06	-3.55
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.06	-0.78
Las Vegas, NV	CO	Serious	100	-	0.24	-0.18	-12.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.24	-0.18	-12.58
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.01	-0.62
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.10
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.07	-0.90
Longmont, CO	CO	Maintenance	100	-	0.02	-0.00	-0.73
Lorain County, OH	SO _x	Maintenance	100	-	0.01	-0.01	-0.35

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.30	-1.64	-119.18
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.30	-1.64	-119.18
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.30	-1.64	-119.18
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.30	-1.64	-119.18
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.30	-1.64	-119.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.11	-0.07	-5.44
Louisville, KY-IN	Ozone	Maintenance	100	-	0.12	-0.22	-8.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	-0.22	-8.05
Lowell, MA	CO	Maintenance	100	-	0.02	-0.01	-0.87
Lucas County, OH	SO _x	Maintenance	100	-	0.03	-0.06	-2.14
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.44
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.12	-1.66
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.12	-1.64
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.03	-0.06	-2.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Manchester, NH	CO	Maintenance	100	-	0.01	-0.00	-0.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.73
Marion County, IN	SO _x	Maintenance	100	-	0.01	-0.11	-2.37
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.00	-0.15	-2.62
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Medford, OR	CO	Maintenance	100	-	0.01	-0.01	-0.65
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.03	-0.03	-1.55
Memphis, TN-AR	Ozone	Maintenance	100	-	0.06	-0.29	-7.43
Memphis, TN	CO	Maintenance	100	-	0.09	-0.18	-6.66
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.24

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	-0.11	-3.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.21	-0.31	-13.59
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.15	-1.02	-23.60
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.14	-0.99	-22.92
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.07	-0.60
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.06	-0.58
Modesto, CA	CO	Maintenance	100	-	0.04	-0.06	-2.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	-0.02	-0.89
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	-0.00	-0.27
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.23
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.10	-0.97
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.13
Muskegon, MI	Ozone	Maintenance	100	-	0.00	-0.05	-1.05
Nashua, NH	CO	Maintenance	100	-	0.01	-0.00	-0.42
Nashville, TN	Ozone	Former Subpart 1	50	-	0.19	-0.31	-12.96
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-1.28
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	-0.02	-1.12
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.10	-0.09	-5.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-1.55	-4.18	-12.26
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.09	-8.97	-74.81
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.11	-9.80	-127.85
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.08	-9.68	-126.64
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.32

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.19	-0.23	-11.68
Ogden, UT	CO	Maintenance	100	-	0.01	-0.01	-0.51
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.91
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.07	-1.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.07	-1.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.16
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.01	-0.70
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	-0.01	-0.65
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.05	-0.04	-2.64
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.42	-0.97	-33.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.72	-1.18	-48.78
Phoenix, AZ	CO	Maintenance	100	-	0.88	-0.41	-41.65
Phoenix, AZ	PM ₁₀	Serious	70	-	0.90	-0.42	-42.80
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.90	-0.42	-42.93
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.01	-0.20
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.16	-0.50	-14.92
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.16	-0.41	-13.53
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.17
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.08	-0.05	-4.15

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.11	-0.24	-8.77
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.39
Poughkeepsie, NY	Ozone	Moderate	50	-	0.19	-0.22	-11.17
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	-0.22	-7.71
Provo, UT	CO	Maintenance	100	-	0.02	-0.04	-1.36
Raleigh-Durham, NC	CO	Maintenance	100	-	0.19	-0.16	-10.38
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.25	-0.24	-14.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.04	-0.06	-2.50
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.06	-2.50
Reno, NV	CO	Maintenance	100	-	0.04	-0.02	-1.81
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.15	-0.18	-9.13
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.41
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.12	-0.03	-5.42
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	-0.08	-1.99
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	-0.03	-0.65
Rochester, NY	Ozone	Former Subpart 1	50	-	0.16	-0.20	-9.94
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	-0.06	-1.41
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.06	-0.98
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.26	-0.14	-12.52
Sacramento Metro, CA	Ozone	Severe	25	-	0.45	-0.32	-23.12
Sacramento, CA	CO	Maintenance	100	-	0.29	-0.15	-14.07
Salem, OR	CO	Maintenance	100	-	0.01	-0.03	-0.98
Salt Lake City, UT	CO	Maintenance	100	-	0.03	-0.04	-1.65

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.13	-0.17	-7.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.13	-0.17	-7.96
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	-0.76	-15.58
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.07	-0.03	-3.35
San Diego, CA	CO	Maintenance	100	-	0.74	-0.28	-33.81
San Diego, CA	Ozone	Former Subpart 1	50	-	0.74	-0.28	-33.88
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.99	-0.68	-50.64
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.13	-0.73	-57.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.63	-0.78	-38.51
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.64	-0.78	-38.63
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.63	-0.78	-38.51
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.28
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.06	-0.15	-5.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.14	-1.12	-24.96
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.03	-0.94
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.21
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.13
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	-0.12	-3.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	-0.02	-1.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.12	-2.50
Spokane, WA	CO	Maintenance	100	-	0.01	-0.12	-2.47
Springfield (western MA), MA	Ozone	Moderate	50	-	0.14	-0.06	-6.46
Springfield, MA	CO	Maintenance	100	-	0.02	-0.01	-1.08
St. Louis, MO	CO	Maintenance	100	-	0.03	-0.30	-6.50
St. Louis, MO-IL	Ozone	Moderate	50	-	0.25	-0.69	-21.85
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.25	-0.69	-21.72

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	-0.01	-1.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.04	-0.36
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.07	-0.79
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.07	-0.79
Stockton, CA	CO	Maintenance	100	-	0.07	-0.07	-3.96
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	-0.19	-3.95
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.09	-1.04
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.01	-0.40
Toledo, OH	Ozone	Maintenance	100	-	0.05	-0.11	-4.01
Toms River, NJ	CO	Maintenance	100	-	0.02	-0.01	-0.80
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.06	-0.88
Trenton, NJ	CO	Maintenance	100	-	0.01	-0.01	-0.66
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Tucson, AZ	CO	Maintenance	100	-	0.14	-0.14	-7.90
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	-0.11	-3.95
Vancouver, WA	CO	Maintenance	100	-	0.03	-0.07	-2.63
Ventura County, CA	Ozone	Serious	50	-	0.15	-0.06	-6.91
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.09	-1.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	-0.00	-0.41
Warren County, NJ	SO _x	Maintenance	100	-	0.01	-0.00	-0.27
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.10	-1.72
Washington, DC-MD-VA	CO	Maintenance	100	-	0.24	-0.12	-11.69

Appendix B

Table B.1-119
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.86	-0.47	-41.91
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.85	-0.44	-40.93
Washoe County, NV	PM ₁₀	Serious	70	-	0.04	-0.02	-1.81
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.04	-0.54
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.66
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.09	-1.17
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.09	-1.17
Winston-Salem, NC	CO	Maintenance	100	-	0.04	-0.10	-3.19
Worcester, MA	CO	Maintenance	100	-	0.04	-0.01	-1.70
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.80
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.02	-0.36
York, PA	Ozone	Maintenance	100	-	0.05	-0.10	-3.51
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.06	-2.70
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	-0.13	-4.51
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	-0.03	-1.52

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.12	-1.02	-16.90
Albuquerque, NM	CO	Maintenance	100	-	-0.04	-0.28	-7.05
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.01	-0.09	-2.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.04	-0.25	-7.06
Altoona, PA	Ozone	Maintenance	100	-	-0.01	-0.05	-1.09
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.08	-2.74
Anchorage, AK	CO	Maintenance	100	-	-0.02	-0.20	-2.31
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.10
Atlanta, GA	Ozone	Moderate	50	-	-0.46	-3.20	-87.52
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.47	-3.20	-87.55
Atlantic City, NJ	CO	Maintenance	100	-	-0.00	-0.02	-0.56
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.23	-5.94
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.00	-0.11
Baltimore, MD	Ozone	Moderate	50	-	-0.19	-1.19	-37.13
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.19	-1.19	-37.13
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.47	-9.08
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.03	-0.25	-4.64
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.11	-1.92
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.35
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.10	-1.95
Billings, MT	CO	Maintenance	100	-	-0.01	-0.05	-0.93
Birmingham, AL	Ozone	Maintenance	100	-	-0.06	-0.44	-11.43

Appendix B

Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.06	-0.44	-11.47
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.03	-0.23	-4.46
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.03	-0.23	-4.46
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.27
Boston, MA	CO	Maintenance	100	-	-0.05	-0.31	-9.75
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.30	-1.90	-60.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.04	-0.25	-8.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.15
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.07	-0.48	-13.12
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.02	-0.15	-3.29
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.15	-3.29
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.03	-0.51
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Charleston, WV	Ozone	Maintenance	100	-	-0.02	-0.11	-2.82
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.11	-2.82
Charlotte, NC	CO	Maintenance	100	-	-0.05	-0.32	-9.65
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.12	-0.81	-21.43
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.04	-0.37	-6.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.04	-0.34	-6.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-0.44	-2.93	-87.14
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-0.46	-3.06	-90.17
Chico, CA	CO	Maintenance	100	-	-0.01	-0.06	-1.79
Chico, CA	Ozone	Former Subpart 1	50	-	-0.02	-0.13	-3.76
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.13	-0.89	-23.75

Appendix B

Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.12	-0.85	-22.96
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.12
Clark County, NV	PM ₁₀	Serious	70	-	-0.11	-0.71	-21.40
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.03	-0.21	-3.64
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.13	-2.20
Cleveland, OH	CO	Maintenance	100	-	-0.05	-0.41	-9.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.16	-1.11	-29.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.14	-1.02	-26.60
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.29	-9.69
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.04	-0.63
Colorado Springs, CO	CO	Maintenance	100	-	-0.05	-0.36	-8.27
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.44	-8.34
Columbus, OH	Ozone	Maintenance	100	-	-0.12	-0.89	-22.48
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.11	-0.81	-20.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.05	-0.41	-9.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.05	-0.37	-8.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-0.49	-3.31	-94.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.05	-0.38	-9.20
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.05	-0.33	-8.07
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.19	-1.24	-39.20
Denver-Boulder, CO	CO	Maintenance	100	-	-0.19	-1.18	-37.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.24	-1.61	-47.68
Detroit, MI	CO	Maintenance	100	-	-0.09	-0.71	-14.93
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.31	-2.27	-55.54
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.31	-2.21	-54.45

Appendix B

**Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.47
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.39
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.32
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.05	-0.93
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.15
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.08	-2.23
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.03	-0.25	-6.16
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.01	-0.37
Erie, PA	Ozone	Maintenance	100	-	-0.01	-0.10	-2.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.20	-3.21
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.20	-3.08
Evansville, IN	Ozone	Maintenance	100	-	-0.02	-0.13	-3.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.18	-3.84
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.03	-0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.02	-0.12	-3.49
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.11
Flint, MI	Ozone	Maintenance	100	-	-0.03	-0.23	-5.89
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.01	-0.10	-2.50
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.03	-0.26	-4.67
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.10	-1.98
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.11	-1.75
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.03	-0.23	-5.93

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Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.27
Fresno, CA	CO	Maintenance	100	-	-0.04	-0.25	-7.77
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.06	-0.42	-10.55
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.40
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.50
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.10	-0.64	-18.41
Greeley, CO	CO	Maintenance	100	-	-0.01	-0.08	-1.67
Green Bay, WI	SO _x	Maintenance	100	-	-0.01	-0.06	-1.51
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.03	-0.61
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.04	-0.56
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.10	-0.72	-18.90
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.05	-0.33	-9.10
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.07	-0.61	-10.72
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.26
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.01	-0.06	-1.39
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.06	-0.38	-10.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.35	-9.96
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.06	-0.39	-11.55
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.14
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.56
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.02	-0.49
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-1.93
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.02	-0.13	-3.31
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02

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**Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.44	-3.36	-73.65
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.22	-3.55
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.12	-1.81
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.33
Imperial County, CA	Ozone	Moderate	50	-	-0.02	-0.10	-3.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.10	-3.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.37
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-0.14	-1.04	-25.61
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.11	-0.81	-20.34
Jackson County, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-0.95
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.08	-1.79
Jefferson County, NY	Ozone	Moderate	50	-	-0.01	-0.05	-1.42
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.17	-2.66
Johnstown, PA	Ozone	Maintenance	100	-	-0.01	-0.05	-0.93
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.06	-1.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.23
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.04	-0.27	-5.92
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.44
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.14	-1.15	-22.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.01	-0.05	-1.79
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.37
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.04	-0.96
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.28
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.14
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.04	-0.62

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Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.62
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.10	-0.83	-16.70
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.08	-0.65	-12.68
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.39
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.21
Lake County, IN	SO _x	Maintenance	100	-	-0.02	-0.11	-3.20
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.40
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.49
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.01	-0.03	-1.12
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	-0.01	-0.23
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.03	-0.18	-5.43
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.18	-5.43
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.03	-0.20	-5.60
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.07	-1.09
Las Vegas, NV	CO	Serious	100	-	-0.11	-0.71	-21.40
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.11	-0.72	-21.62
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	-0.03	-0.93
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.12
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.08	-1.31
Longmont, CO	CO	Maintenance	100	-	-0.01	-0.04	-1.27
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	-0.02	-0.55

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**Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1.00	-6.59	-197.08
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1.00	-6.59	-197.08
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1.00	-6.59	-197.08
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1.00	-6.59	-197.08
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1.00	-6.59	-197.07
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.05	-0.30	-9.08
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.07	-0.49	-12.85
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.07	-0.48	-12.24
Lowell, MA	CO	Maintenance	100	-	-0.01	-0.05	-1.45
Lucas County, OH	SO _x	Maintenance	100	-	-0.02	-0.13	-3.17
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.65
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.14	-2.34
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.14	-2.31
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.02	-0.13	-3.44
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.18
Manchester, NH	CO	Maintenance	100	-	-0.00	-0.02	-0.74
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.01	-0.04	-1.11
Marion County, IN	SO _x	Maintenance	100	-	-0.02	-0.17	-3.47
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-1.72
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.03	-0.20	-3.99
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.33
Medford, OR	CO	Maintenance	100	-	-0.01	-0.04	-1.12
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.09	-2.69
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.07	-0.50	-11.00
Memphis, TN	CO	Maintenance	100	-	-0.06	-0.40	-10.00
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.41

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Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-0.03	-0.23	-5.84
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.12	-0.80	-21.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.22	-1.68	-37.33
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.22	-1.63	-36.24
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.06	-0.88
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.06	-0.85
Modesto, CA	CO	Maintenance	100	-	-0.02	-0.17	-4.55
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-1.56
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.00	-0.02	-0.47
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.33
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.10	-1.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.20
Muskegon, MI	Ozone	Maintenance	100	-	-0.01	-0.08	-1.62
Nashua, NH	CO	Maintenance	100	-	-0.00	-0.02	-0.61
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.11	-0.78	-21.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.01	-0.07	-2.36
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-1.93
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.04	-0.30	-8.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-0.26	-2.98	-13.54
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.91	-8.58	-106.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.35	-11.49	-190.89
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.33	-11.37	-189.07
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.51

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.10	-0.66	-18.23
Ogden, UT	CO	Maintenance	100	-	-0.00	-0.03	-0.78
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	-0.03	-0.78
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.06	-1.49
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.00	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.09	-1.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.09	-1.70
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.26
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.01	-0.04	-1.05
Perth Amboy, NJ	CO	Maintenance	100	-	-0.01	-0.04	-1.17
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.02	-0.13	-3.87
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.29	-2.07	-51.41
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.41	-2.88	-75.80
Phoenix, AZ	CO	Maintenance	100	-	-0.37	-2.38	-75.88
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.38	-2.44	-77.82
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.38	-2.45	-78.01
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.02	-0.39
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.13	-0.95	-22.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.12	-0.84	-20.46
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.26
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	-0.03	-0.22	-6.58

Appendix B

Table B.1-120							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Benzene 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.07	-0.53	-13.57
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.55
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.10	-0.67	-18.85
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	-0.07	-0.49	-12.29
Provo, UT	CO	Maintenance	100	-	-0.01	-0.09	-2.27
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.09	-0.58	-17.32
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.12	-0.81	-23.54
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	-0.02	-0.15	-3.87
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.15	-3.87
Reno, NV	CO	Maintenance	100	-	-0.01	-0.09	-2.87
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.08	-0.51	-14.32
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.72
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.05	-0.29	-9.69
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.13	-2.98
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.01	-0.04	-1.03
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.08	-0.57	-15.53
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.01	-0.10	-2.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-1.46
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.11	-0.71	-21.95
Sacramento Metro, CA	Ozone	Severe	25	-	-0.21	-1.35	-40.86
Sacramento, CA	CO	Maintenance	100	-	-0.12	-0.79	-24.70
Salem, OR	CO	Maintenance	100	-	-0.01	-0.06	-1.50
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.10	-2.68

Appendix B

Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.07	-0.46	-12.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.07	-0.46	-12.79
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.15	-1.14	-24.59
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.03	-0.17	-5.49
San Diego, CA	CO	Maintenance	100	-	-0.29	-1.82	-58.54
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.29	-1.82	-58.66
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.43	-2.80	-84.69
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.48	-3.12	-94.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.35	-2.34	-66.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.35	-2.35	-66.57
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.35	-2.34	-66.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.00	-0.02	-0.47
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.04	-0.32	-7.88
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.24	-1.80	-39.80
Sheboygan, WI	Ozone	Moderate	50	-	-0.01	-0.06	-1.49
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.29
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.21
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.03	-0.23	-5.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-1.40
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.18	-3.94
Spokane, WA	CO	Maintenance	100	-	-0.02	-0.18	-3.90
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.05	-0.32	-10.19
Springfield, MA	CO	Maintenance	100	-	-0.01	-0.06	-1.79
St. Louis, MO	CO	Maintenance	100	-	-0.06	-0.46	-9.03
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.19	-1.36	-32.86
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.19	-1.35	-32.65

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Table B.1-120							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Benzene 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.01	-0.07	-2.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.30
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.04	-0.49
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.08	-1.09
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-1.09
Stockton, CA	CO	Maintenance	100	-	-0.04	-0.24	-7.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.04	-0.29	-5.89
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.09	-1.43
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.59
Toledo, OH	Ozone	Maintenance	100	-	-0.03	-0.24	-6.04
Toms River, NJ	CO	Maintenance	100	-	-0.01	-0.04	-1.39
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.07	-1.35
Trenton, NJ	CO	Maintenance	100	-	-0.01	-0.03	-1.06
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Tucson, AZ	CO	Maintenance	100	-	-0.07	-0.45	-13.11
Utah County, UT	PM ₁₀	Moderate	100	-	-0.03	-0.24	-6.48
Vancouver, WA	CO	Maintenance	100	-	-0.02	-0.17	-4.42
Ventura County, CA	Ozone	Serious	50	-	-0.06	-0.38	-12.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.09	-1.43
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	-0.02	-0.64
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.43
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.02	-0.13	-2.57
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.10	-0.63	-19.41

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Table B.1-120
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.35	-2.24	-69.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.34	-2.17	-67.84
Washoe County, NV	PM ₁₀	Serious	70	-	-0.01	-0.09	-2.87
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.05	-0.76
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.01	-0.09	-1.56
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.11	-1.60
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.11	-1.60
Winston-Salem, NC	CO	Maintenance	100	-	-0.03	-0.20	-5.01
Worcester, MA	CO	Maintenance	100	-	-0.01	-0.09	-2.89
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.07	-1.21
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.03	-0.60
York, PA	Ozone	Maintenance	100	-	-0.03	-0.22	-5.64
York, PA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.16	-4.33
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.04	-0.27	-6.55
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.01	-0.09	-2.56

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.04	0.04	0.06
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.06
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.02	0.02	0.03
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.02	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.05	-0.08	-0.19
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.01

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Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.03	0.03	0.05
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.01	0.01
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.04	0.04	0.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.06
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02

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Table B.1-121							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.01
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.02	0.02
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.04	0.04	0.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.03
Denver-Boulder, CO	CO	Maintenance	100	-	0.02	0.02	0.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
Detroit, MI	CO	Maintenance	100	-	0.01	0.01	0.01
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.03	0.03	0.04
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.04

Appendix B

**Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.02
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.01	0.01
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.07	-0.14	-0.35
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.01	0.01
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-121
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Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.09	0.09	0.13
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.09	0.09	0.13
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.09	0.09	0.13
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.09	0.09	0.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.09	0.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.01
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.01	0.02
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.02	0.02	0.03
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.05	0.05	0.07
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.09	0.09	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.09	0.09	0.14
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.03
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.01	-0.01
Phoenix, AZ	CO	Maintenance	100	-	0.03	0.03	0.04
Phoenix, AZ	PM ₁₀	Serious	70	-	0.03	0.03	0.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.03	0.03	0.04
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.01
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.01	0.01
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.01	0.01
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.02	0.02
Sacramento, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
San Diego, CA	CO	Maintenance	100	-	0.02	0.02	0.04
San Diego, CA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.01	-0.00	-0.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.00	-0.03
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.03	0.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.03	0.04
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.02	0.02
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	0.02	0.03
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03

Appendix B

Table B.1-121							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.00
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.01	0.01

Appendix B

Table B.1-121
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.03	0.03	0.05
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.05
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.00
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.04
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	-0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.10	-0.20
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	-0.20
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.05	-0.09
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.09
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.12	-0.22	-0.45
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.02	-0.03

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.03
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	-0.03
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.08	-0.15
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	-0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	-0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.02	-0.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.10	-0.22
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.11	-0.23
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.06

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.06
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.02	-0.05
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	-0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.04	-0.08
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	-0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	-0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.05
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.11	-0.21
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.09
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.04	-0.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.11
Detroit, MI	CO	Maintenance	100	-	0.01	0.02	-0.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.07	-0.14
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.07	-0.14

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	-0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	-0.01

Appendix B

Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.02	-0.05
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.02	-0.05
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	-0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.20	-0.38	-1.05
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	-0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.06
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.05
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	-0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.02	-0.05
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.05
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.23	-0.47
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	0.23	-0.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.23	-0.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.23	-0.47
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.23	-0.47
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	-0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.03
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	-0.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	-0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.03	-0.11
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.04	-0.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.05
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	-0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.12	-0.24
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.22	-0.45
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.22	-0.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.05
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.29
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.01	0.01	-0.36
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.07	-0.14
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.07	-0.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.07	-0.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.06
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.02

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Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	-0.04
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	-0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	-0.03
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	-0.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	-0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.04
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	-0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.05
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.04	-0.08
Sacramento, CA	CO	Maintenance	100	-	0.02	0.03	-0.05
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	-0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.06	-0.13
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.13
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.00	-0.01	-0.39
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.01	0.00	-0.42
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.07	-0.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.07	-0.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.07	-0.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.04	-0.10
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	-0.03
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	-0.03
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.04	-0.09
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.09

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Table B.1-122							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1							
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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	-0.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	-0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	-0.03
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.02	-0.05

Appendix B

Table B.1-122
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.08	-0.16
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	-0.16
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	-0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.96
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.00	-0.44
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.44
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.15
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.21	0.04	-5.23
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.21	0.04	-5.24
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.01	-0.00	-0.36
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.09	0.02	-2.29
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.02	-2.29
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.15	-0.81
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.20	-0.55	-1.25
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.01	-0.73

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.73
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.00	-0.25
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.25
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.00	-0.62
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.15	0.03	-3.82
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.00	-0.50
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.84
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.21
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.00	-0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.19
Charlotte, NC	CO	Maintenance	100	-	0.02	0.00	-0.58
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.01	-1.28
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.36
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.21	0.04	-5.39
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.04	-5.57
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.01	-1.47

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-1.43
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.01	-1.24
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.00	-0.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.13
Cleveland, OH	CO	Maintenance	100	-	0.03	0.01	-0.63
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.01	-1.85
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.01	-1.70
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.00	-0.55
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.00	-0.47
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.48
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.01	-1.32
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-1.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.63
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.00	-0.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.22	0.04	-5.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.00	-0.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.52
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.09	0.02	-2.36
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.02	-2.26
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.02	-2.85
Detroit, MI	CO	Maintenance	100	-	0.04	0.01	-1.07
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.14	0.03	-3.42
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.13	0.03	-3.36

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.00	-0.37
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.00	-0.18
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.00	-0.17
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.24
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.22
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.37
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.00	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.27
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.10
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.00	-0.34

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.00	-0.47
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.00	-0.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.01	-1.19
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.10
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.01	-1.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.58
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.64
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.01	-0.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.00	-0.61
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.01	-0.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.12
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.21
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.26	-1.08	-6.29
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	-0.00	-0.11
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.00	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.00	-0.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.01	-1.53
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-1.22
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.11
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.15
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.01	-1.28
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.04

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.94
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.72
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.21
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.34
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.34
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.35
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Las Vegas, NV	CO	Serious	100	-	0.05	0.01	-1.24
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.01	-1.26
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.47	0.09	-11.94
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.47	0.09	-11.94
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.47	0.09	-11.94
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.47	0.09	-11.94
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.47	0.09	-11.94
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.00	-0.55
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.01	-0.82
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.01	-0.78
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.09
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.21
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.00	-0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.24
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.15
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.00	-0.70
Memphis, TN	CO	Maintenance	100	-	0.03	0.00	-0.65
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.37
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.01	-1.33
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.08	-0.01	-2.25
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.02	-2.14
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Modesto, CA	CO	Maintenance	100	-	0.01	0.00	-0.26
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.01	-1.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.00	-0.56
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.00	-0.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.23	0.05	-5.68
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.43	0.09	-10.96
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.43	0.09	-10.86
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.01	-1.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.10
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.00	-0.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	-0.18	-3.58
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.11	-0.16	-5.12
Phoenix, AZ	CO	Maintenance	100	-	0.17	0.03	-4.20
Phoenix, AZ	PM ₁₀	Serious	70	-	0.17	0.03	-4.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.17	0.03	-4.33
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.01	-1.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.01	-1.30
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.00	-0.42

Appendix B

Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.00	-0.85
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.01	-1.10
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.01	-0.74
Provo, UT	CO	Maintenance	100	-	0.01	0.00	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.01	-1.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.01	-1.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.24
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.24
Reno, NV	CO	Maintenance	100	-	0.01	0.00	-0.18
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.01	-0.90
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.00	-0.55
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.98
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.00	-0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.05	0.01	-1.26
Sacramento Metro, CA	Ozone	Severe	25	-	0.09	0.02	-2.31
Sacramento, CA	CO	Maintenance	100	-	0.06	0.01	-1.42
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.01	-0.00	-0.17

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.00	-0.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.01	-0.78
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.01	-1.43
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.34
San Diego, CA	CO	Maintenance	100	-	0.14	0.03	-3.43
San Diego, CA	Ozone	Former Subpart 1	50	-	0.14	0.03	-3.43
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.10	-0.21	-5.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.13	-0.21	-6.16
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.15	0.02	-3.81
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.15	0.02	-3.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.15	0.02	-3.81
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.01	-2.33
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.33
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.23
Spokane, WA	CO	Maintenance	100	-	0.01	0.00	-0.23
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.01	-0.65
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.11
St. Louis, MO	CO	Maintenance	100	-	0.02	0.00	-0.60
St. Louis, MO-IL	Ozone	Moderate	50	-	0.08	0.02	-2.10
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.08	0.02	-2.08

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.06
Stockton, CA	CO	Maintenance	100	-	0.02	0.00	-0.39
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.00	-0.36
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.09
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.00	-0.39
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.08
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.01	-0.78
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.00	-0.38
Vancouver, WA	CO	Maintenance	100	-	0.01	0.00	-0.25
Ventura County, CA	Ozone	Serious	50	-	0.03	0.01	-0.70
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.15
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.01	-1.18

Appendix B

**Table B.1-123
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.17	0.03	-4.22
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.16	0.03	-4.12
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.00	-0.18
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.10
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.00	-0.31
Worcester, MA	CO	Maintenance	100	-	0.01	0.00	-0.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.07
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.34
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.26
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.00	-0.44
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-1.58
Albuquerque, NM	CO	Maintenance	100	-	-0.01	-0.03	-0.71
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.73
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.11
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.29
Anchorage, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.19
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	-0.06	-0.34	-8.94
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.34	-8.95
Atlantic City, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.06
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.03	-0.61
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	-0.03	-0.15	-3.85
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.03	-0.15	-3.85
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.14	-1.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.03	-0.40	-1.36
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.18
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.19
Billings, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.09
Birmingham, AL	Ozone	Maintenance	100	-	-0.01	-0.04	-1.16

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-1.16
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.00	-0.02	-0.43
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.43
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Boston, MA	CO	Maintenance	100	-	-0.01	-0.04	-1.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.04	-0.24	-6.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.01	-0.03	-0.84
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.05	-1.34
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.33
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.33
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.29
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.29
Charlotte, NC	CO	Maintenance	100	-	-0.01	-0.04	-1.00
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.02	-0.08	-2.18
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.59
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-0.06	-0.34	-9.00
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-0.07	-0.36	-9.31
Chico, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.18
Chico, CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.39
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.02	-0.09	-2.42

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.09	-2.34
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	-0.02	-0.08	-2.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.00	-0.01	-0.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.21
Cleveland, OH	CO	Maintenance	100	-	-0.01	-0.04	-0.94
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.02	-0.11	-2.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.10	-2.70
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.04	-1.01
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.03	-0.82
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.80
Columbus, OH	Ozone	Maintenance	100	-	-0.02	-0.09	-2.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.08	-2.12
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.94
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.01	-0.03	-0.81
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-0.07	-0.37	-9.75
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.01	-0.04	-0.92
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.81
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.15	-4.08
Denver-Boulder, CO	CO	Maintenance	100	-	-0.03	-0.15	-3.90
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.03	-0.19	-4.92
Detroit, MI	CO	Maintenance	100	-	-0.01	-0.06	-1.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.04	-0.21	-5.59
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.04	-0.21	-5.48

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.00	-0.09
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.23
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.62
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Erie, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.28
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.30
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.38
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.36
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.60
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.44
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.19
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.16
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.60

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Fresno, CA	CO	Maintenance	100	-	-0.01	-0.03	-0.81
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.01	-0.04	-1.06
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.05
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.01	-0.07	-1.89
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.16
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.15
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.01	-0.07	-1.92
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.93
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.04	-1.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.00	-0.01	-0.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-1.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-1.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.01	-0.05	-1.19
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.19
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.33
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.11	-1.03	-9.06
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.33
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.01	-0.17
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	-0.00	-0.01	-0.32
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.01	-0.31
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.02	-0.10	-2.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-2.05
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.09
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.18
Jefferson County, NY	Ozone	Moderate	50	-	-0.00	-0.01	-0.15
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.24
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.09
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.10
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.59
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.02	-0.08	-2.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.00	-0.01	-0.19
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.10
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.06

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-1.63
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.05	-1.23
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Lake County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.33
Lake County, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.00	-0.00	-0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.00	-0.00	-0.12
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.56
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.56
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.57
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.10
Las Vegas, NV	CO	Serious	100	-	-0.02	-0.08	-2.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.02	-0.08	-2.24
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.10
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.00	-0.12
Longmont, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.13
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.15	-0.78	-20.37
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.15	-0.78	-20.37
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.15	-0.78	-20.37
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.15	-0.78	-20.37
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.15	-0.78	-20.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.01	-0.04	-0.94
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.01	-0.05	-1.30
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.05	-1.24
Lowell, MA	CO	Maintenance	100	-	-0.00	-0.01	-0.15
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.32
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Macon, GA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.22
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.22
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.35
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	-0.00	-0.00	-0.08
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.11
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.34
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.18
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.39
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.28
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.01	-0.04	-1.09
Memphis, TN	CO	Maintenance	100	-	-0.01	-0.04	-1.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	-0.00	-0.02	-0.59
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.02	-0.08	-2.20
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.03	-0.16	-3.74
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.03	-0.14	-3.59
Missoula, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.08
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.08
Modesto, CA	CO	Maintenance	100	-	-0.00	-0.02	-0.47
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.16
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Muncie, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.11
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.16
Nashua, NH	CO	Maintenance	100	-	-0.00	-0.00	-0.06
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.08	-2.15
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.20
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.01	-0.03	-0.89
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.48
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.06	-0.35	-9.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.13	-0.68	-17.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.13	-0.67	-17.69
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05

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Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.01	-0.07	-1.86
Ogden, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.08
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.08
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.15
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.16
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.16
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.11
Perth Amboy, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.12
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	-0.02	-0.40
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.05	-0.34	-5.52
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.07	-0.44	-8.04
Phoenix, AZ	CO	Maintenance	100	-	-0.06	-0.30	-7.90
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.06	-0.31	-8.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.06	-0.31	-8.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	-0.00	-0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.02	-0.09	-2.25
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.08	-2.06
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	-0.00	-0.03	-0.68

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Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	-0.05	-1.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.05
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.01	-0.07	-1.93
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	-0.01	-0.05	-1.24
Provo, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.23
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.01	-0.07	-1.79
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.02	-0.09	-2.43
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.39
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.39
Reno, NV	CO	Maintenance	100	-	-0.00	-0.01	-0.30
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	-0.06	-1.47
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.01	-0.04	-1.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.30
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.10
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.06	-1.59
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.21
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.14
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.02	-0.09	-2.28
Sacramento Metro, CA	Ozone	Severe	25	-	-0.03	-0.16	-4.23
Sacramento, CA	CO	Maintenance	100	-	-0.02	-0.10	-2.56
Salem, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.15
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.28

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.05	-1.31
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.01	-0.05	-1.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.02	-0.09	-2.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.57
San Diego, CA	CO	Maintenance	100	-	-0.04	-0.23	-6.10
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.04	-0.23	-6.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.08	-0.51	-9.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.08	-0.55	-10.25
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.05	-0.26	-6.83
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.05	-0.26	-6.84
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.26	-6.83
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.79
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.03	-0.15	-3.95
Sheboygan, WI	Ozone	Moderate	50	-	-0.00	-0.01	-0.15
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.54
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.14
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.39
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.38
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.01	-0.04	-1.06
Springfield, MA	CO	Maintenance	100	-	-0.00	-0.01	-0.19
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.03	-0.88
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.02	-0.13	-3.30
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.12	-3.28

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.23
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.00	-0.10
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.10
Stockton, CA	CO	Maintenance	100	-	-0.01	-0.03	-0.72
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-0.02	-0.58
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.13
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.06
Toledo, OH	Ozone	Maintenance	100	-	-0.00	-0.02	-0.61
Toms River, NJ	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.13
Trenton, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.11
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	-0.01	-0.05	-1.35
Utah County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.66
Vancouver, WA	CO	Maintenance	100	-	-0.00	-0.02	-0.45
Ventura County, CA	Ozone	Serious	50	-	-0.01	-0.05	-1.25
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.13
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	-0.00	-0.07
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.25
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.01	-0.08	-2.01

Appendix B

Table B.1-124
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.05	-0.27	-7.21
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.27	-7.04
Washoe County, NV	PM ₁₀	Serious	70	-	-0.00	-0.01	-0.30
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.07
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.15
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.15
Winston-Salem, NC	CO	Maintenance	100	-	-0.00	-0.02	-0.51
Worcester, MA	CO	Maintenance	100	-	-0.00	-0.01	-0.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.12
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.06
York, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.57
York, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.44
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.66
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.02	0.73
Albuquerque, NM	CO	Maintenance	100	-	-	0.01	0.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.01	0.34
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.09
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.08
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-0.00	0.08	3.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.08	3.78
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.05	-0.08	0.06
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	-	0.04	1.70
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.04	1.70
Baton Rouge, LA	Ozone	Moderate	50	-	-2.81	-4.79	-10.82
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-8.96	-15.28	-35.52
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.11
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.08
Billings, MT	CO	Maintenance	100	-	-1.49	-2.54	-5.90
Birmingham, AL	Ozone	Maintenance	100	-	-0.13	-0.21	0.06

Appendix B

**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.13	-0.21	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.18
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.18
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Boston, MA	CO	Maintenance	100	-	-0.00	0.01	0.49
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	0.06	2.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.01	0.37
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.24	-0.40	-0.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.24	-0.40	-0.78
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.16
Charlotte, NC	CO	Maintenance	100	-	-	0.01	0.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.02	0.93
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.32
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.01	0.29
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-4.17	-7.03	-12.62
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-4.17	-7.02	-12.48
Chico, CA	CO	Maintenance	100	-	-	0.00	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.02	1.13

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	1.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	-	0.02	0.83
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.10
Cleveland, OH	CO	Maintenance	100	-	-	0.01	0.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.03	1.49
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.03	1.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.35
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.04
Colorado Springs, CO	CO	Maintenance	100	-	-	0.01	0.33
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.37
Columbus, OH	Ozone	Maintenance	100	-	-	0.02	0.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.02	0.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.01	0.55
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.01	0.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.08	3.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.01	0.49
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.43
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-1.83	-3.08	-5.61
Denver-Boulder, CO	CO	Maintenance	100	-	-1.83	-3.08	-5.68
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-1.83	-3.07	-5.27
Detroit, MI	CO	Maintenance	100	-	-1.41	-2.39	-4.71
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-1.84	-3.09	-4.69
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-1.84	-3.09	-4.74

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-3.30	-5.62	-13.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-1.00	-1.70	-3.71
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.13
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.13
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.19
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.17
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.01	0.30
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.21
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.23

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	-0.00	0.01	0.33
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.01	0.46
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.02	0.95
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.07
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.07
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.02	0.94
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.46
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.01	0.49
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.45
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.01	0.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.17
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-13.68	-23.27	-51.39
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1.80	-3.08	-7.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1.80	-3.08	-7.11
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.02	1.14
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.90
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.09
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.13
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.07
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.02	0.94
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.08
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.52
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.00	0.18
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.26
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.01	0.27
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.06
Las Vegas, NV	CO	Serious	100	-	-	0.02	0.83
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.02	0.84
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-2.29	-3.91	-9.08
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.05
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-6.49	-10.89	-17.30
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-6.49	-10.89	-17.30
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-6.49	-10.89	-17.30
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-6.49	-10.89	-17.30
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-6.49	-10.89	-17.30
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.01	0.39
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.01	0.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.63
Lowell, MA	CO	Maintenance	100	-	-0.00	0.00	0.06
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.00	0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.18
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.18
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.02
Medford, OR	CO	Maintenance	100	-	-	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.10
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.71	-1.19	-2.24
Memphis, TN	CO	Maintenance	100	-	-0.71	-1.19	-2.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.01	0.31
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.02	1.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.03	1.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.03	1.59
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.07
Nashua, NH	CO	Maintenance	100	-	-0.00	0.00	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.02	0.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.01	0.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.01	0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.74	-1.16	1.58
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.02	-1.55	4.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.02	-1.55	4.41
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02

Appendix B

**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-2.55	-4.34	-9.28
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.04
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.00	0.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.08
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.06
Perth Amboy, NJ	CO	Maintenance	100	-	-0.27	-0.47	-1.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.00	0.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-3.96	-6.70	-13.23
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-3.97	-6.69	-12.08
Phoenix, AZ	CO	Maintenance	100	-	-0.00	0.05	2.51
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	0.05	2.59
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	0.05	2.60
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.02	1.16
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.06
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.01	0.32

Appendix B

**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	-0.01	0.61
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.02	0.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.01	0.56
Provo, UT	CO	Maintenance	100	-	-	0.00	0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.02	0.73
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.02	1.00
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.19
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.19
Reno, NV	CO	Maintenance	100	-	-	0.00	0.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	0.01	0.69
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.01	0.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.15
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.02	0.77
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.07
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.02	0.82
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.03	1.46
Sacramento, CA	CO	Maintenance	100	-	-	0.02	0.91
Salem, OR	CO	Maintenance	100	-	-	0.00	0.08
Salt Lake City, UT	CO	Maintenance	100	-	-0.64	-1.09	-2.43

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.64	-1.08	-1.96
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.01	0.59
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.02	1.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.01	0.24
San Diego, CA	CO	Maintenance	100	-	-	0.05	2.29
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.05	2.30
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-5.28	-8.92	-17.46
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-5.28	-8.91	-16.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.05	-0.03	2.31
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.05	-0.03	2.32
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.03	2.31
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.01	0.39
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.04	1.69
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.01	0.26
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.17
Spokane, WA	CO	Maintenance	100	-	-	0.00	0.17
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.01	0.51
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.08
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.01	0.55
St. Louis, MO-IL	Ozone	Moderate	50	-	-10.26	-17.47	-39.22
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-10.26	-17.47	-39.23

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	-0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.01
Stockton, CA	CO	Maintenance	100	-	-	0.01	0.25
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.01	0.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.08
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-2.39	-4.06	-9.20
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.06
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.05
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.01	0.56
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.01	0.27
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.17
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.00	0.45
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.12
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.02	0.90

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**Table B.1-125
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	0.06	3.04
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	0.06	2.98
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.08	-1.85	-4.28
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.09
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.23
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.02
York, PA	Ozone	Maintenance	100	-	-	0.01	0.25
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.01	0.38
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.10

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.05	2.91
Albuquerque, NM	CO	Maintenance	100	-	-	0.02	1.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.01	0.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.02	1.35
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.38
Anchorage, AK	CO	Maintenance	100	-	-	0.01	0.32
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	-0.00	0.26	15.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.26	15.27
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.12
Bakersfield, CA	CO	Maintenance	100	-	-0.11	-0.20	0.58
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	-	0.12	6.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.12	6.81
Baton Rouge, LA	Ozone	Moderate	50	-	-6.74	-12.56	-23.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-21.48	-40.09	-78.91
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.01	0.41
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.01	0.33
Billings, MT	CO	Maintenance	100	-	-3.57	-6.66	-13.10
Birmingham, AL	Ozone	Maintenance	100	-	-0.32	-0.55	1.13

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.32	-0.55	1.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.01	0.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.04
Boston, MA	CO	Maintenance	100	-	-0.00	0.03	1.94
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	0.20	11.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.03	1.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.05	2.63
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.57	-1.06	-1.46
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.57	-1.06	-1.46
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	-	0.01	0.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.01	0.63
Charlotte, NC	CO	Maintenance	100	-	-	0.03	1.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.06	3.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.02	1.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-10.00	-18.39	-21.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-10.00	-18.38	-20.51
Chico, CA	CO	Maintenance	100	-	-	0.00	0.25
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.08	4.49

Appendix B

Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.08	4.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	-	0.06	3.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.01	0.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.41
Cleveland, OH	CO	Maintenance	100	-	-	0.04	2.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.10	5.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.09	5.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.03	1.46
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.14
Colorado Springs, CO	CO	Maintenance	100	-	-	0.02	1.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.03	1.48
Columbus, OH	Ozone	Maintenance	100	-	-	0.07	3.83
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.06	3.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.04	2.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.03	1.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.27	15.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.03	1.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.03	1.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.38	-8.06	-9.46
Denver-Boulder, CO	CO	Maintenance	100	-	-4.38	-8.06	-9.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.38	-8.03	-8.06
Detroit, MI	CO	Maintenance	100	-	-3.38	-6.25	-8.95
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.42	-8.06	-5.87
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.42	-8.07	-6.07

Appendix B

Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.06
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.19
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-7.91	-14.75	-28.91
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.39	-4.45	-7.79
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.07
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.01	0.52
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.01	0.50
Evansville, IN	Ozone	Maintenance	100	-	-	0.01	0.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.74
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.02	1.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.01	0.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.01	0.83
Franklin County, PA	Ozone	Maintenance	100	-	-	0.01	0.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.01	0.30
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.02	0.95

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	-0.00	0.02	1.34
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.03	1.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.09
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.06	3.74
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.28
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.28
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.11
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.06	3.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.03	1.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.04	2.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.03	1.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.03	1.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.04	2.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.00	0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.41
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.01

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**Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-32.79	-61.01	-109.03
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-4.33	-8.07	-15.39
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-4.33	-8.07	-15.71
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.06
Imperial County, CA	Ozone	Moderate	50	-	-	0.01	0.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.08
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.08	4.56
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.06	3.62
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.01	0.35
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.49
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.25
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.02	1.15
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.07
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.07	3.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.01	0.33
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.19
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.06
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.11

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.05	2.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.04	2.10
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.01	0.69
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.07
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.14
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.02	1.09
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.22
Las Vegas, NV	CO	Serious	100	-	-	0.06	3.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.06	3.47
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-5.49	-10.25	-20.16
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.21
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.10

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-15.56	-28.46	-23.06
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-15.56	-28.46	-23.06
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-15.56	-28.46	-23.06
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-15.56	-28.46	-23.06
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-15.56	-28.46	-23.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.03	1.58
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.04	2.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.04	2.48
Lowell, MA	CO	Maintenance	100	-	-0.00	0.00	0.26
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.01	0.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.14
Macon, GA	Ozone	Maintenance	100	-	-	0.01	0.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	-	0.01	0.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.23
Marion County, IN	SO _x	Maintenance	100	-	-	0.01	0.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.73
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.06
Medford, OR	CO	Maintenance	100	-	-	0.00	0.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.69	-3.12	-4.03
Memphis, TN	CO	Maintenance	100	-	-1.69	-3.13	-4.21
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.07

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.02	1.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.07	4.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.11	6.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.11	6.38
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.14
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.14
Modesto, CA	CO	Maintenance	100	-	-	0.01	0.70
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.24
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.07
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Nashua, NH	CO	Maintenance	100	-	-0.00	0.00	0.14
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.06	3.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.32
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.01	0.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.03	1.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.02	1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.77	-2.99	11.23
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.44	-3.97	24.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.44	-3.97	24.47
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.09

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-6.12	-11.37	-19.17
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.16
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.01	0.33
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.33
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.23
Perth Amboy, NJ	CO	Maintenance	100	-	-0.66	-1.22	-2.26
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.02	0.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-9.49	-17.55	-25.17
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.52	-17.51	-20.53
Phoenix, AZ	CO	Maintenance	100	-	-0.00	0.18	10.71
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	0.18	11.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	0.18	11.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.07	4.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	4.15
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.05
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.02	1.28

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.04	-0.02	2.51
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.05	3.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.04	2.24
Provo, UT	CO	Maintenance	100	-	-	0.01	0.37
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.05	2.97
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.07	4.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.76
Reno, NV	CO	Maintenance	100	-	-	0.01	0.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.03	2.75
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.03	1.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.01	0.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.05	3.04
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.01	0.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.27
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.06	3.41
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.11	6.12
Sacramento, CA	CO	Maintenance	100	-	-	0.07	3.80
Salem, OR	CO	Maintenance	100	-	-	0.01	0.30
Salt Lake City, UT	CO	Maintenance	100	-	-1.53	-2.85	-5.20

Appendix B

Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.53	-2.82	-3.34
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.04	2.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.07	4.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.02	0.98
San Diego, CA	CO	Maintenance	100	-	-	0.16	9.46
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.16	9.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-12.65	-23.37	-32.42
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-12.65	-23.33	-30.48
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.11	-0.03	9.93
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.11	-0.03	9.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.03	9.93
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.03	1.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.12	6.80
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.27
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.02	1.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.68
Spokane, WA	CO	Maintenance	100	-	-	0.01	0.67
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.04	2.03
Springfield, MA	CO	Maintenance	100	-	-	0.01	0.33
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.04	2.08
St. Louis, MO-IL	Ozone	Moderate	50	-	-24.60	-45.81	-84.67
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-24.60	-45.82	-84.72

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.39
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.08	0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.08	0.06
Stockton, CA	CO	Maintenance	100	-	-	0.02	1.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.02	1.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.01	0.30
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.13
Toledo, OH	Ozone	Maintenance	100	-	-5.72	-10.66	-20.01
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.23
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.23
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.20
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	-	0.04	2.26
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.02	1.10
Vancouver, WA	CO	Maintenance	100	-	-	0.01	0.71
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.02	1.89
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Vigo County, IN	SO _x	Maintenance	100	-	-	0.01	0.30
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.00	0.13
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.01	0.48
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.06	3.56

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Table B.1-126
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	0.21	12.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	0.21	12.03
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.01	0.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.60	-4.86	-9.50
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.01	0.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.34
Winston-Salem, NC	CO	Maintenance	100	-	-	0.02	0.93
Worcester, MA	CO	Maintenance	100	-	-	0.01	0.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.21
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.09
York, PA	Ozone	Maintenance	100	-	-	0.02	1.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.03	1.45
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.18	13.06
Albuquerque, NM	CO	Maintenance	100	-	-	0.08	5.94
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.02	1.58
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.08	6.03
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.96
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.03	2.06
Anchorage, AK	CO	Maintenance	100	-	-	0.02	1.54
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.08
Atlanta, GA	Ozone	Moderate	50	-	-0.00	1.00	71.42
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	1.00	71.45
Atlantic City, NJ	CO	Maintenance	100	-	-	0.01	0.50
Bakersfield, CA	CO	Maintenance	100	-	-0.20	-0.44	3.82
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.10
Baltimore, MD	Ozone	Moderate	50	-	-	0.44	31.26
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.44	31.26
Baton Rouge, LA	Ozone	Moderate	50	-	-11.79	-30.04	-49.07
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-37.54	-95.94	-175.60
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.02	1.66
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.26
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.02	1.54
Billings, MT	CO	Maintenance	100	-	-6.24	-15.94	-29.09
Birmingham, AL	Ozone	Maintenance	100	-	-0.56	-1.28	7.28

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.56	-1.28	7.31
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.05	3.45
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.05	3.45
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.19
Boston, MA	CO	Maintenance	100	-	-0.00	0.12	8.51
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	0.73	52.05
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.10	6.81
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.16	11.40
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.19
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.00	-2.52	-1.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.00	-2.52	-1.96
Case County, MI	Ozone	Maintenance	100	-	-	0.01	0.43
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.06
Charleston, WV	Ozone	Maintenance	100	-	-	0.04	2.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.04	2.58
Charlotte, NC	CO	Maintenance	100	-	-	0.11	7.91
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.24	17.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	5.39
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.07	4.95
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-17.47	-43.65	-10.16
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-17.47	-43.61	-7.68
Chico, CA	CO	Maintenance	100	-	-	0.02	1.32
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.04	2.90
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.28	20.06

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.27	19.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.12
Clark County, NV	PM ₁₀	Serious	70	-	-	0.24	16.94
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.04	2.75
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.78
Cleveland, OH	CO	Maintenance	100	-	-	0.12	8.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.35	25.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.32	23.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.11	7.53
Colbert County, AL	SO _x	Maintenance	100	-	-	0.01	0.55
Colorado Springs, CO	CO	Maintenance	100	-	-	0.09	6.45
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.09	6.62
Columbus, OH	Ozone	Maintenance	100	-	-	0.25	18.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.23	16.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.12	8.60
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.10	7.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	1.07	76.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.11	8.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.10	7.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.65	-19.11	-4.34
Denver-Boulder, CO	CO	Maintenance	100	-	-7.65	-19.13	-5.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.65	-19.02	2.31
Detroit, MI	CO	Maintenance	100	-	-5.82	-14.68	-13.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.72	-19.08	9.79
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.72	-19.09	8.92

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.01	0.39
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.35
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.28
Duluth, MN	CO	Maintenance	100	-	-	0.01	0.77
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.10
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.82	-35.31	-64.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.18	-10.62	-14.93
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.31
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.03	2.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.03	2.40
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.03	2.30
Evansville, IN	Ozone	Maintenance	100	-	-	0.04	2.52
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.04	3.22
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.19
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.04	2.98
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.08
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.07	5.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	-	0.03	1.95
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.05	3.70
Franklin County, PA	Ozone	Maintenance	100	-	-	0.02	1.58
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.02	1.33
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.06	4.64

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.20
Fresno, CA	CO	Maintenance	100	-	-0.00	0.09	6.39
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.12	8.57
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.38
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.36
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.17
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.23	16.17
Greeley, CO	CO	Maintenance	100	-	-	0.02	1.31
Green Bay, WI	SO _x	Maintenance	100	-	-	0.02	1.26
Greene County, IN	Ozone	Maintenance	100	-	-	0.01	0.49
Greene County, PA	Ozone	Maintenance	100	-	-	0.01	0.44
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.23	16.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.11	7.93
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.12	8.75
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.22
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.02	1.17
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.13	8.97
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.12	8.27
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.14	10.33
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.44
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.40
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.02	1.70
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.04	2.86
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-57.31	-145.72	-215.03
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.56	-19.30	-33.26
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.56	-19.32	-34.64
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.27
Imperial County, CA	Ozone	Moderate	50	-	-	0.03	2.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.03	2.40
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.33
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.29	20.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.23	16.63
Jackson County, IN	Ozone	Maintenance	100	-	-	0.01	0.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.02	1.53
Jefferson County, NY	Ozone	Moderate	50	-	-	0.02	1.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.03	2.11
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.87
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.96
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.07	4.98
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.32
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.24	17.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.02	1.51
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.28
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.83
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.24
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.11
Klamath Falls, OR	CO	Maintenance	100	-	-	0.01	0.48

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.48
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.18	12.85
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.14	9.80
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.33
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.15
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.04	2.90
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.35
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.01	0.37
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.01	0.81
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.20
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.06	4.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.06	4.63
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.07	4.80
LaPorte, IN	Ozone	Maintenance	100	-	-	0.01	0.91
Las Vegas, NV	CO	Serious	100	-	-	0.24	16.94
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.24	17.15
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.01	0.84
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.12
Lima, OH	Ozone	Maintenance	100	-	-9.60	-24.54	-44.84
Longmont, CO	CO	Maintenance	100	-	-	0.01	1.02
Lorain County, OH	SO _x	Maintenance	100	-	-	0.01	0.46

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-27.20	-67.29	32.62
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-27.20	-67.29	32.62
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-27.20	-67.29	32.62
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-27.20	-67.29	32.62
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-27.20	-67.29	32.61
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.10	7.44
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.16	11.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.15	10.66
Lowell, MA	CO	Maintenance	100	-	-0.00	0.02	1.19
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.04	2.82
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.58
Macon, GA	Ozone	Maintenance	100	-	-	0.03	1.96
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.03	1.93
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	-	0.04	2.71
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.12
Manchester, NH	CO	Maintenance	100	-	-	0.01	0.72
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.01	0.98
Marion County, IN	SO _x	Maintenance	100	-	-	0.04	2.99
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.02	1.32
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.05	3.23
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.27
Medford, OR	CO	Maintenance	100	-	-	0.01	0.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.03	2.10
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.96	-7.44	-4.60
Memphis, TN	CO	Maintenance	100	-	-2.96	-7.45	-5.33
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.33

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Table B.1-127
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.07	5.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.25	18.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.42	30.05
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.41	29.20
Missoula, MT	CO	Maintenance	100	-	-	0.01	0.64
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.01	0.62
Modesto, CA	CO	Maintenance	100	-	-	0.05	3.55
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.02	1.20
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	-	0.01	0.37
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.27
Muncie, IN	Ozone	Maintenance	100	-	-	0.01	1.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.16
Muskegon, MI	Ozone	Maintenance	100	-	-	0.02	1.32
Nashua, NH	CO	Maintenance	100	-	-0.00	0.01	0.58
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.24	17.28
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.02	1.76
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.02	1.52
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.11	7.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.06
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.06	4.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.09	-6.82	62.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.26	-8.80	129.16
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.26	-8.82	127.83
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.43

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Table B.1-127
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.70	-27.14	-35.45
Ogden, UT	CO	Maintenance	100	-	-	0.01	0.69
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.01	0.69
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.20
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.02	1.18
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.02	1.40
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.41
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.21
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	0.95
Perth Amboy, NJ	CO	Maintenance	100	-	-1.15	-2.92	-4.59
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.05	3.61
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-16.59	-41.80	-35.31
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-16.63	-41.62	-14.50
Phoenix, AZ	CO	Maintenance	100	-	-0.01	0.78	57.33
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.01	0.80	58.90
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.01	0.81	59.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.27
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.26	19.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.24	17.75
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.21
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.08	5.68

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Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.06	0.00	11.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.21	15.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.14	10.16
Provo, UT	CO	Maintenance	100	-	-	0.03	1.80
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.20	14.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.27	19.19
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.05	3.32
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.05	3.32
Reno, NV	CO	Maintenance	100	-	-	0.03	2.47
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.02	0.13	12.23
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.56
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.11	7.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.04	2.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.01	0.84
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.19	13.37
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.03	1.80
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.02	1.19
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.24	17.19
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.44	31.54
Sacramento, CA	CO	Maintenance	100	-	-	0.27	19.33
Salem, OR	CO	Maintenance	100	-	-	0.02	1.29
Salt Lake City, UT	CO	Maintenance	100	-	-2.67	-6.81	-10.57

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**Table B.1-127
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.67	-6.69	-2.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.15	10.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.27	19.55
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.06	4.62
San Diego, CA	CO	Maintenance	100	-	-	0.65	46.74
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.65	46.83
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-22.11	-55.56	-36.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-22.11	-55.44	-27.71
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.20	0.21	50.84
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.20	0.21	51.00
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.20	0.21	50.84
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.01	0.37
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.09	6.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.44	31.65
Sheboygan, WI	Ozone	Moderate	50	-	-	0.02	1.23
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.21
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.18
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.06	4.52
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	0.00	1.46
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.04	3.13
Spokane, WA	CO	Maintenance	100	-	-	0.04	3.10
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.12	8.92
Springfield, MA	CO	Maintenance	100	-	-	0.02	1.49
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.11	8.21
St. Louis, MO-IL	Ozone	Moderate	50	-	-42.99	-109.53	-176.91
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-42.99	-109.53	-177.10

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Table B.1-127
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.03	1.81
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.22
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.01	0.39
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.18	0.52
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.18	0.52
Stockton, CA	CO	Maintenance	100	-	-	0.07	5.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.07	4.98
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.02	1.20
Tioga County, PA	Ozone	Maintenance	100	-	-	0.01	0.53
Toledo, OH	Ozone	Maintenance	100	-	-10.00	-25.49	-42.49
Toms River, NJ	CO	Maintenance	100	-	-	0.02	1.10
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.01	1.05
Trenton, NJ	CO	Maintenance	100	-	-	0.01	0.90
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.04
Tucson, AZ	CO	Maintenance	100	-	-	0.15	10.69
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.07	5.22
Vancouver, WA	CO	Maintenance	100	-	-	0.05	3.47
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.10	9.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Vigo County, IN	SO _x	Maintenance	100	-	-	0.02	1.20
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.01	0.56
Warren County, NJ	SO _x	Maintenance	100	-	-	0.01	0.37
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.03	2.11
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.22	16.08

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	0.80	57.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	0.79	56.26
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.03	2.47
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	-	0.01	0.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.57	-11.68	-21.02
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.08
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.02	1.36
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.02	1.36
Winston-Salem, NC	CO	Maintenance	100	-	-	0.06	4.18
Worcester, MA	CO	Maintenance	100	-	-	0.03	2.35
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.96
Yakima, WA	CO	Maintenance	100	-	-	0.01	0.43
York, PA	Ozone	Maintenance	100	-	-	0.06	4.64
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.05	3.60
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.08	5.94
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.03	2.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.27	20.20
Albuquerque, NM	CO	Maintenance	100	-	-	0.12	9.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.03	2.56
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.12	9.28
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.37
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.05	3.65
Anchorage, AK	CO	Maintenance	100	-	-	0.03	2.46
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.12
Atlanta, GA	Ozone	Moderate	50	-	-0.00	1.50	114.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	1.50	114.40
Atlantic City, NJ	CO	Maintenance	100	-	-	0.01	0.75
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.26	6.79
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.15
Baltimore, MD	Ozone	Moderate	50	-	-	0.65	49.29
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.65	49.28
Baton Rouge, LA	Ozone	Moderate	50	-	-1.77	-21.13	-42.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.63	-67.70	-166.73
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.03	2.34
Benzie County, MI	Ozone	Maintenance	100	-	-	0.01	0.44
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.03	2.44
Billings, MT	CO	Maintenance	100	-	-0.94	-11.25	-27.53
Birmingham, AL	Ozone	Maintenance	100	-	-0.08	-0.81	12.26

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.08	-0.81	12.31
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.07	5.51
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.07	5.51
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.32
Boston, MA	CO	Maintenance	100	-	-0.00	0.17	12.95
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	1.06	80.33
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.14	10.72
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.23	17.12
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.15	-1.75	-0.44
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.15	-1.75	-0.44
Case County, MI	Ozone	Maintenance	100	-	-	0.01	0.64
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.07
Charleston, WV	Ozone	Maintenance	100	-	-	0.05	3.66
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.05	3.66
Charlotte, NC	CO	Maintenance	100	-	-	0.17	12.74
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.37	27.85
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.10	8.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.10	7.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-2.62	-30.03	34.76
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-2.62	-29.98	38.64
Chico, CA	CO	Maintenance	100	-	-	0.03	2.36
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.07	4.94
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.41	30.92

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.39	29.92
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.16
Clark County, NV	PM ₁₀	Serious	70	-	-	0.37	28.30
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.06	4.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.04	2.67
Cleveland, OH	CO	Maintenance	100	-	-	0.16	12.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.50	37.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.45	34.53
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.17	12.95
Colbert County, AL	SO _x	Maintenance	100	-	-	0.01	0.76
Colorado Springs, CO	CO	Maintenance	100	-	-	0.14	10.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.13	10.25
Columbus, OH	Ozone	Maintenance	100	-	-	0.38	29.06
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.36	27.06
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.16	12.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.14	10.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	1.64	124.61
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.16	11.82
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.14	10.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-1.15	-13.13	16.98
Denver-Boulder, CO	CO	Maintenance	100	-	-1.15	-13.16	14.67
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-1.15	-12.98	27.78
Detroit, MI	CO	Maintenance	100	-	-0.92	-10.88	-9.54
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-1.16	-12.98	36.02
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-1.16	-13.00	34.68

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.01	0.62
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.01	0.51
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.01	0.42
Duluth, MN	CO	Maintenance	100	-	-	0.01	1.12
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.16
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-2.07	-24.91	-60.54
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.63	-7.45	-11.27
El Paso, TX	CO	Maintenance	100	-	-	0.01	0.47
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.04	3.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.05	3.78
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.05	3.63
Evansville, IN	Ozone	Maintenance	100	-	-	0.05	3.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.06	4.82
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.06	4.58
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.13
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.10	7.62
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	-	0.04	3.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.07	5.68
Franklin County, PA	Ozone	Maintenance	100	-	-	0.03	2.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.03	2.05
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.10	7.69

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.36
Fresno, CA	CO	Maintenance	100	-	-0.00	0.13	10.30
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.18	13.60
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.53
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.61
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.23
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.32	24.20
Greeley, CO	CO	Maintenance	100	-	-	0.03	2.10
Green Bay, WI	SO _x	Maintenance	100	-	-	0.03	1.95
Greene County, IN	Ozone	Maintenance	100	-	-	0.01	0.75
Greene County, PA	Ozone	Maintenance	100	-	-	0.01	0.65
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.32	24.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.16	11.91
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.17	12.98
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.34
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.02	1.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.19	14.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.17	13.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.20	15.24
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.73
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.62
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.03	2.49
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.06	4.26
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-8.60	-102.24	-170.14
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1.13	-13.60	-30.53
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1.13	-13.63	-32.62
Huron County, MI	Ozone	Maintenance	100	-	-	0.01	0.40
Imperial County, CA	Ozone	Moderate	50	-	-	0.05	4.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.05	3.99
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.01	0.48
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.43	32.98
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.35	26.25
Jackson County, IN	Ozone	Maintenance	100	-	-	0.02	1.17
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.03	2.30
Jefferson County, NY	Ozone	Moderate	50	-	-	0.02	1.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.04	3.12
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.26
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.10	7.49
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.01	0.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.36	27.59
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.03	2.40
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.46
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.02	1.24
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.36
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.18
Klamath Falls, OR	CO	Maintenance	100	-	-	0.01	0.71

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.71
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.27	20.81
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.21	15.69
La Porte County, IN	SO _x	Maintenance	100	-	-	0.01	0.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.23
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.06	4.20
Lake County, OH	SO _x	Maintenance	100	-	-	0.01	0.52
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.01	0.66
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.02	1.50
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.30
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.09	7.19
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.09	7.19
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.10	7.34
LaPorte, IN	Ozone	Maintenance	100	-	-	0.02	1.30
Las Vegas, NV	CO	Serious	100	-	-	0.37	28.30
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.38	28.59
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.02	1.22
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.03
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.16
Lima, OH	Ozone	Maintenance	100	-	-1.44	-17.31	-42.54
Longmont, CO	CO	Maintenance	100	-	-	0.02	1.71
Lorain County, OH	SO _x	Maintenance	100	-	-	0.01	0.71

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-4.08	-45.68	135.38
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-4.08	-45.68	135.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-4.08	-45.68	135.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-4.08	-45.68	135.38
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-4.08	-45.68	135.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.16	12.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.22	16.67
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.21	15.85
Lowell, MA	CO	Maintenance	100	-	-0.00	0.03	1.93
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.05	4.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.84
Macon, GA	Ozone	Maintenance	100	-	-	0.04	2.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.04	2.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.04
Madison, WI	SO _x	Maintenance	100	-	-	0.06	4.47
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.23
Manchester, NH	CO	Maintenance	100	-	-	0.01	0.99
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.02	1.45
Marion County, IN	SO _x	Maintenance	100	-	-	0.06	4.35
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.03	2.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.07	4.95
Mason County, MI	Ozone	Maintenance	100	-	-	0.01	0.42
Medford, OR	CO	Maintenance	100	-	-	0.02	1.47
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.05	3.54
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.44	-5.16	0.33
Memphis, TN	CO	Maintenance	100	-	-0.44	-5.18	-0.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.01	0.54

Appendix B

Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.10	7.53
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.37	28.09
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.62	47.29
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.60	45.90
Missoula, MT	CO	Maintenance	100	-	-	0.01	1.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.01	0.96
Modesto, CA	CO	Maintenance	100	-	-	0.08	5.95
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.03	2.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.05
Morristown, NJ	CO	Maintenance	100	-	-	0.01	0.63
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.01	0.40
Muncie, IN	Ozone	Maintenance	100	-	-	0.02	1.44
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.24
Muskegon, MI	Ozone	Maintenance	100	-	-	0.03	2.03
Nashua, NH	CO	Maintenance	100	-	-0.00	0.01	0.81
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.36	27.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.04	3.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.03	2.54
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.15	11.37
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.08
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.08	6.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.46	-4.04	102.40
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.64	-4.68	208.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.64	-4.71	206.69
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.67

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-1.60	-19.00	-25.30
Ogden, UT	CO	Maintenance	100	-	-	0.01	1.02
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.01	1.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.03	1.92
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.03	2.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.03	2.08
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.34
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.02	1.39
Perth Amboy, NJ	CO	Maintenance	100	-	-0.17	-2.05	-3.71
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.07	5.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2.49	-29.07	-9.90
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-2.49	-28.72	22.15
Phoenix, AZ	CO	Maintenance	100	-	-0.00	1.32	100.93
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	1.35	103.50
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	1.35	103.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.01	0.50
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.37	28.76
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.34	26.26
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.31
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.06
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.11	8.70

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	0.12	17.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.63
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.33	24.71
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.12
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.21	15.87
Provo, UT	CO	Maintenance	100	-	-	0.04	2.95
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.30	22.88
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.41	31.01
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.07	5.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	5.03
Reno, NV	CO	Maintenance	100	-	-	0.05	3.80
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	0.22	18.70
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.94
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.17	12.95
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.05	3.78
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.02	1.31
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.27	20.29
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.03	2.66
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.02	1.79
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.38	29.13
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.71	54.05
Sacramento, CA	CO	Maintenance	100	-	-	0.43	32.78
Salem, OR	CO	Maintenance	100	-	-	0.03	1.93
Salt Lake City, UT	CO	Maintenance	100	-	-0.40	-4.78	-8.78

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.40	-4.61	4.45
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.22	16.74
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.41	30.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.10	7.30
San Diego, CA	CO	Maintenance	100	-	-	1.03	77.96
San Diego, CA	Ozone	Former Subpart 1	50	-	-	1.03	78.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3.32	-38.44	10.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3.32	-38.26	24.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.03	0.79	86.24
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.03	0.79	86.43
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.03	0.79	86.24
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.01	0.61
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.13	10.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.66	50.40
Sheboygan, WI	Ozone	Moderate	50	-	-	0.03	1.92
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.09	6.86
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.80
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.07	4.96
Spokane, WA	CO	Maintenance	100	-	-	0.06	4.90
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.18	13.54
Springfield, MA	CO	Maintenance	100	-	-	0.03	2.38
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.15	11.22
St. Louis, MO-IL	Ozone	Moderate	50	-	-6.45	-77.06	-155.28
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-6.45	-77.06	-155.56

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.04	2.89
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.38
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.01	0.55
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.12	0.89
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.12	0.89
Stockton, CA	CO	Maintenance	100	-	-	0.12	9.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.10	7.35
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.02	1.68
Tioga County, PA	Ozone	Maintenance	100	-	-	0.01	0.76
Toledo, OH	Ozone	Maintenance	100	-	-1.50	-17.94	-38.12
Toms River, NJ	CO	Maintenance	100	-	-	0.02	1.85
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.02	1.65
Trenton, NJ	CO	Maintenance	100	-	-	0.02	1.41
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.06
Tucson, AZ	CO	Maintenance	100	-	-	0.23	17.26
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.11	8.43
Vancouver, WA	CO	Maintenance	100	-	-	0.08	5.75
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.19	15.91
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.09
Vigo County, IN	SO _x	Maintenance	100	-	-	0.02	1.68
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.01	0.85
Warren County, NJ	SO _x	Maintenance	100	-	-	0.01	0.57
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	0.15
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.04	3.17
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.34	25.73

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Table B.1-128
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	1.21	92.21
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	1.19	90.08
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.05	3.80
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.06
Wayne County, IN	SO _x	Maintenance	100	-	-	0.01	0.90
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.71	-8.58	-19.98
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.09
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.02	1.87
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.02	1.87
Winston-Salem, NC	CO	Maintenance	100	-	-	0.09	6.46
Worcester, MA	CO	Maintenance	100	-	-	0.05	3.84
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.02	1.48
Yakima, WA	CO	Maintenance	100	-	-	0.01	0.73
York, PA	Ozone	Maintenance	100	-	-	0.10	7.31
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.07	5.65
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.11	8.42
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.04	3.36

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.49
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.23
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.16	2.55
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.16	2.55
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.02	0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.07	1.15
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.07	1.15
Baton Rouge, LA	Ozone	Moderate	50	-	-0.41	-0.69	-1.34
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.46	-2.48	-5.52
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.06
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.40

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Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.40
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.12	1.98
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.25
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.45
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.12
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.11
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.04	0.63
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.05	0.15	2.66
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.15	2.75
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.76

Appendix B

**Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.74
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.56
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Cleveland, OH	CO	Maintenance	100	-	0.01	0.02	0.37
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.06	1.01
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.93
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.23
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.22
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.25
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.04	0.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	0.37
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.30
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.17	2.63
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.33
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.07	1.13
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.07	1.08
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.09	1.36
Detroit, MI	CO	Maintenance	100	-	0.01	0.04	0.63
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.11	1.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.11	1.76

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**Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.19
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.14
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.16

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Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.22
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.31
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.04	0.64
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.04	0.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.33
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-129
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Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-4.07	-6.88	-13.87
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.00	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.05	0.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.61
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.20
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.04	0.64
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.45
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.35
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.12
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.17
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.17
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.19
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Las Vegas, NV	CO	Serious	100	-	0.01	0.04	0.56
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.04	0.57
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.12	0.33	5.73
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.12	0.33	5.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.12	0.33	5.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.12	0.33	5.73
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.33	5.73
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.03	0.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.43
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.09
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.12
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.12
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	0.38
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	0.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.21
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.04	0.69
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.04	-0.05	0.84
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.07	1.08
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	0.00	0.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.31
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.19	3.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.36	5.77
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.36	5.72
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.04	0.61
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.49	-0.80	-0.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.48	-0.75	0.46
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.11	1.70
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.11	1.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.11	1.76
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.79
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.72
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.22

Appendix B

Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.03	0.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.02	0.38
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.03	0.49
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.04	0.67
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.09
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.48
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.23
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.52
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.55
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.06	0.98
Sacramento, CA	CO	Maintenance	100	-	0.01	0.04	0.61
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.07

Appendix B

**Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.04	0.71
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.16
San Diego, CA	CO	Maintenance	100	-	0.04	0.10	1.55
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.10	1.55
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.61	-0.99	-0.18
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.61	-0.97	0.14
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.02	0.07	1.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.02	0.07	1.62
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	1.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.00	0.03	1.03
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.35
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.06
St. Louis, MO	CO	Maintenance	100	-	0.01	0.02	0.37
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.07	1.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.07	1.16

Appendix B

Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.17
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.22
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	0.38
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.18
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.12
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.31
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.04	0.61

Appendix B

Table B.1-129
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.13	2.05
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.13	2.01
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.09
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.16
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.17
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.25
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.08	1.79
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.04	0.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.04	0.83
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.14
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.23
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.43	9.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.43	9.37
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Bakersfield, CA	CO	Maintenance	100	-	-0.04	-0.06	0.46
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.06	0.19	4.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.19	4.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.98	-1.82	-2.57
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.49	-6.50	-11.94
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.25
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.21
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.06	1.42

Appendix B

**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.06	1.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.45
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.45
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.02	0.05	1.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.11	0.32	7.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.04	0.91
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.07	1.61
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.41
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.41
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.39
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.39
Charlotte, NC	CO	Maintenance	100	-	0.02	0.05	1.03
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.10	2.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.76
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.69
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.12	0.39	9.75
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.12	0.40	10.09
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.35
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.12	2.75

Appendix B

**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.12	2.67
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.10	2.10
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.25
Cleveland, OH	CO	Maintenance	100	-	0.02	0.06	1.31
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.16	3.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.15	3.31
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.89
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.08
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.04	0.83
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.91
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.11	2.35
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.10	2.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.06	1.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.05	1.07
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.15	0.44	9.75
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.05	1.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.05	1.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.06	0.19	4.17
Denver-Boulder, CO	CO	Maintenance	100	-	0.06	0.18	3.99
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.08	0.23	5.03
Detroit, MI	CO	Maintenance	100	-	0.03	0.10	2.22
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.10	0.29	6.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.29	6.34

Appendix B

**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.11
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.29
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.03	0.68
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.04
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.32
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.32
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.31
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.35
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.46
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.41
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.03	0.73
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.51
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.58

Appendix B

Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.01	0.04	0.82
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.05	1.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.10	2.30
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.17
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.17
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.07
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.10	2.27
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.05	1.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.06	1.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.16
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.05	1.20
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	1.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.07	1.49
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.25
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.41
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-9.76	-18.07	-27.40
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.38
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.19
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.31
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.30
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.13	2.80
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.10	2.22
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.22
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.17
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.30
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.15
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.03	0.70
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.11	2.33
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.20
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.12
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.07

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**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.08	1.66
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	1.29
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.42
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.63
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.03	0.67
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.14
Las Vegas, NV	CO	Serious	100	-	0.03	0.10	2.10
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.10	2.13
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.15
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.13
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.06

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**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.27	0.88	21.16
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.27	0.88	21.16
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.27	0.88	21.16
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.27	0.88	21.16
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.27	0.88	21.16
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.04	0.97
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.07	1.58
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.07	1.52
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.16
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.42
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.29
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.29
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.14
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.44
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.16
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.45
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.26
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.05	1.36
Memphis, TN	CO	Maintenance	100	-	0.01	0.04	1.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04

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**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.03	0.74
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.11	2.49
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.10	-0.13	3.44
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.06	0.18	3.91
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.09
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.08
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.43
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.15
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.18
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.09
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.02	0.01	2.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.05	1.10
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.03	0.64
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.17	0.50	10.92
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.31	0.94	20.74
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.31	0.93	20.57
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06

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Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.10	2.20
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.10
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.15
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.14
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.54
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.19	-2.11	1.61
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.15	-1.98	4.52
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.30	6.58
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	0.31	6.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	0.31	6.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.13	2.80
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.12	2.55
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.04	0.78

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**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.03	1.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.09	1.91
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.06	1.37
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.23
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.08	1.82
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.11	2.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.46
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.46
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.34
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.08	1.71
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.04	0.89
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.37
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.11
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.08	1.87
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.17
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.09	2.09
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.17	3.76
Sacramento, CA	CO	Maintenance	100	-	0.04	0.11	2.33
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.18
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.27

Appendix B

**Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.05	1.41
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.07	1.44
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.12	2.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.60
San Diego, CA	CO	Maintenance	100	-	0.09	0.26	5.80
San Diego, CA	Ozone	Former Subpart 1	50	-	0.09	0.26	5.82
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.47	-2.59	3.21
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.45	-2.54	4.40
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.20	6.19
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.21	6.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.20	6.19
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.04	0.93
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.00	0.07	3.94
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.17
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.03	0.63
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.24
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.41
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.41
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.06	1.25
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.20
St. Louis, MO	CO	Maintenance	100	-	0.02	0.06	1.28
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.19	4.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.19	4.10

Appendix B

Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.24
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Stockton, CA	CO	Maintenance	100	-	0.01	0.03	0.65
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.03	0.72
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.18
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.08
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.03	0.77
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.14
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.14
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.12
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.06	1.39
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.03	0.68
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.43
Ventura County, CA	Ozone	Serious	50	-	0.02	0.05	1.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.18
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.08
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.10	2.19

Appendix B

Table B.1-130
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.11	0.34	7.54
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.11	0.34	7.38
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.34
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.10
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.21
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.03	0.57
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.05
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.62
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.04	0.89
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.09	0.15	7.01
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.07	3.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.85
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.04	0.07	3.23
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.51
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	1.10
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	0.83
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Atlanta, GA	Ozone	Moderate	50	-	0.52	0.83	38.31
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.52	0.83	38.32
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.27
Bakersfield, CA	CO	Maintenance	100	-	-0.04	-0.15	2.20
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.05
Baltimore, MD	Ozone	Moderate	50	-	0.23	0.36	16.77
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.36	16.77
Baton Rouge, LA	Ozone	Moderate	50	-	-1.69	-4.37	-4.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.09	-15.58	-25.77
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.89
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.14
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.83
Billings, MT	CO	Maintenance	100	-	0.01	0.01	0.39
Birmingham, AL	Ozone	Maintenance	100	-	0.07	0.12	5.33

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.07	0.12	5.35
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.04	1.85
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.04	1.85
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Boston, MA	CO	Maintenance	100	-	0.06	0.10	4.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.38	0.61	27.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.05	0.08	3.65
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.08	0.13	6.11
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.03	1.52
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	1.52
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.23
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.03	1.38
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	1.38
Charlotte, NC	CO	Maintenance	100	-	0.06	0.09	4.24
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.13	0.20	9.37
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.04	0.06	2.89
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.06	2.66
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.48	0.71	39.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.49	0.74	40.42
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.71
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.03	1.56
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.14	0.23	10.75

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.14	0.22	10.42
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Clark County, NV	PM ₁₀	Serious	70	-	0.12	0.20	9.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.03	1.47
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.95
Cleveland, OH	CO	Maintenance	100	-	0.06	0.10	4.61
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.18	0.29	13.56
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.27	12.45
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	0.09	4.04
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.29
Colorado Springs, CO	CO	Maintenance	100	-	0.05	0.08	3.46
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.05	0.08	3.55
Columbus, OH	Ozone	Maintenance	100	-	0.13	0.21	9.68
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.20	9.00
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.06	0.10	4.61
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.08	3.83
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.55	0.89	40.92
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.06	0.09	4.32
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.08	3.81
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.23	0.37	17.29
Denver-Boulder, CO	CO	Maintenance	100	-	0.22	0.36	16.53
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.28	0.45	20.86
Detroit, MI	CO	Maintenance	100	-	0.11	0.17	7.84
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.34	0.54	25.04
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.33	0.53	24.57

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.15
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	0.41
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	1.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.04	0.06	2.72
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.17
Erie, PA	Ozone	Maintenance	100	-	0.02	0.03	1.18
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.03	1.29
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.03	1.23
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.03	1.35
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	1.73
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.10
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	1.60
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Flint, MI	Ozone	Maintenance	100	-	0.04	0.06	2.74
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	1.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.04	1.98
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.85
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.71
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	0.05	2.49

Appendix B

**Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.11
Fresno, CA	CO	Maintenance	100	-	0.05	0.07	3.43
Grand Rapids, MI	Ozone	Maintenance	100	-	0.06	0.10	4.59
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.20
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.20
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	0.12	0.19	8.67
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.70
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.68
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.26
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.24
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.12	0.19	8.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.09	4.25
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.06	0.10	4.69
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.12
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.63
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.10	4.81
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.10	4.44
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.08	0.12	5.54
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.23
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.21
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.91
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	1.54
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-16.84	-43.41	-46.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	1.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.03	0.72
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.15
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.03	1.32
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	1.29
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.17
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.15	0.24	11.23
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.12	0.19	8.92
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	0.42
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.82
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.66
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	1.13
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.47
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.52
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.06	2.67
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.17
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.13	0.20	9.37
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	0.81
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.44
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.13
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.06
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.26

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.09	0.15	6.89
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.07	0.11	5.26
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	1.56
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.19
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.20
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.43
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.05	2.48
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	2.48
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.06	2.58
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	0.49
Las Vegas, NV	CO	Serious	100	-	0.12	0.20	9.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.12	0.20	9.20
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.45
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.57
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	0.55
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.25

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.10	1.67	86.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.10	1.67	86.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.10	1.67	86.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.10	1.67	86.85
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.10	1.67	86.84
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.05	0.09	3.99
Louisville, KY-IN	Ozone	Maintenance	100	-	0.08	0.13	5.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.12	5.72
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.64
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.03	1.51
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.32
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	1.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	1.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.02	0.03	1.45
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	0.39
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.53
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	1.60
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.71
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.04	1.73
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.14
Medford, OR	CO	Maintenance	100	-	0.01	0.01	0.47
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	1.13
Memphis, TN-AR	Ozone	Maintenance	100	-	0.06	0.08	5.06
Memphis, TN	CO	Maintenance	100	-	0.05	0.07	4.67
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.17

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.04	0.06	2.73
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.13	0.21	9.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.07	-0.39	14.80
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.21	0.34	15.66
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.34
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.33
Modesto, CA	CO	Maintenance	100	-	0.03	0.04	1.90
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.65
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.20
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.15
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.56
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.08
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	0.71
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.31
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	-0.03	8.85
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.94
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.02	0.81
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.06	0.09	4.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.05	2.30
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.56	0.90	41.53
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.09	1.74	80.19
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.08	1.72	79.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.23

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.11	0.18	8.43
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	0.37
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.63
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.75
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.76
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.11
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.51
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	0.48
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.04	1.94
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.92	-5.22	13.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.77	-4.97	24.66
Phoenix, AZ	CO	Maintenance	100	-	0.42	0.67	30.77
Phoenix, AZ	PM ₁₀	Serious	70	-	0.43	0.69	31.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.43	0.69	31.70
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.14
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.14	0.23	10.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.21	9.53
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.11
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.04	0.07	3.05

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.04	0.03	6.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.23
Poughkeepsie, NY	Ozone	Moderate	50	-	0.11	0.18	8.07
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	0.07	0.12	5.45
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.96
Raleigh-Durham, NC	CO	Maintenance	100	-	0.10	0.16	7.57
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.14	0.22	10.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.02	0.04	1.78
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	1.78
Reno, NV	CO	Maintenance	100	-	0.02	0.03	1.33
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.09	0.14	6.60
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.30
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	0.09	4.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.03	1.37
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	0.45
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.16	7.17
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.97
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.64
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.13	0.20	9.22
Sacramento Metro, CA	Ozone	Severe	25	-	0.23	0.37	16.92
Sacramento, CA	CO	Maintenance	100	-	0.14	0.22	10.37
Salem, OR	CO	Maintenance	100	-	0.01	0.02	0.69
Salt Lake City, UT	CO	Maintenance	100	-	0.00	-0.01	1.12

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.06	0.09	5.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.08	0.12	5.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.14	0.23	10.49
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.05	2.48
San Diego, CA	CO	Maintenance	100	-	0.34	0.54	25.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.34	0.54	25.12
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.31	-6.37	24.32
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.24	-6.26	29.04
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.30	0.40	27.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.30	0.40	27.51
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.30	0.40	27.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.20
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.05	0.08	3.59
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.12	0.08	16.47
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.66
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.11
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.05	2.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.80
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	1.68
Spokane, WA	CO	Maintenance	100	-	0.02	0.04	1.66
Springfield (western MA), MA	Ozone	Moderate	50	-	0.06	0.10	4.78
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	0.80
St. Louis, MO	CO	Maintenance	100	-	0.06	0.10	4.40
St. Louis, MO-IL	Ozone	Moderate	50	-	0.21	0.33	15.35
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.21	0.33	15.25

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Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.97
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.21
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	0.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.47
Stockton, CA	CO	Maintenance	100	-	0.04	0.06	2.88
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.06	2.67
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.65
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.28
Toledo, OH	Ozone	Maintenance	100	-	0.04	0.06	2.84
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.59
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.56
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	0.48
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.08	0.12	5.74
Utah County, UT	PM ₁₀	Moderate	100	-	0.04	0.06	2.80
Vancouver, WA	CO	Maintenance	100	-	0.03	0.04	1.86
Ventura County, CA	Ozone	Serious	50	-	0.07	0.11	5.11
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.65
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.30
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.20
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.02	1.13
Washington, DC-MD-VA	CO	Maintenance	100	-	0.12	0.19	8.62

Appendix B

Table B.1-131
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.42	0.67	30.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.41	0.65	30.18
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.03	1.33
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.35
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	0.45
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.73
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.73
Winston-Salem, NC	CO	Maintenance	100	-	0.03	0.05	2.24
Worcester, MA	CO	Maintenance	100	-	0.02	0.03	1.26
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.51
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.23
York, PA	Ozone	Maintenance	100	-	0.03	0.05	2.49
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	1.93
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.07	3.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	1.10

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.03	0.06	10.54
Albuquerque, NM	CO	Maintenance	100	-	-0.01	0.03	4.74
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.34
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.01	0.03	4.84
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.72
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.91
Anchorage, AK	CO	Maintenance	100	-	-0.00	0.01	1.28
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	0.00	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	0.00	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.06
Atlanta, GA	Ozone	Moderate	50	-	-0.15	0.32	59.64
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.15	0.32	59.66
Atlantic City, NJ	CO	Maintenance	100	-	-0.00	0.00	0.39
Bakersfield, CA	CO	Maintenance	100	-	-0.02	-0.12	3.68
Baltimore, MD	CO	Maintenance	100	-	-0.00	0.00	0.08
Baltimore, MD	Ozone	Moderate	50	-	-0.06	0.14	25.70
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-0.06	0.14	25.70
Baton Rouge, LA	Ozone	Moderate	50	-	-0.28	-3.11	-1.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.92	-11.00	-23.30
Benton County, TN	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	0.01	1.22
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	0.00	0.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	0.01	1.27
Billings, MT	CO	Maintenance	100	-	-0.00	0.00	0.59
Birmingham, AL	Ozone	Maintenance	100	-	-0.02	0.04	7.73

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.02	0.04	7.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	0.02	2.87
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	0.02	2.87
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	0.00	0.17
Boston, MA	CO	Maintenance	100	-	-0.02	0.04	6.75
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.10	0.22	41.89
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.01	0.03	5.59
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	0.05
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.02	0.05	8.93
Burlington, NJ	CO	Maintenance	100	-	-0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.13
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.19
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.01	0.01	2.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.01	0.01	2.17
Case County, MI	Ozone	Maintenance	100	-	-0.00	0.00	0.33
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	-0.00	0.01	1.91
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	1.91
Charlotte, NC	CO	Maintenance	100	-	-0.02	0.04	6.65
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.04	0.08	14.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.01	0.02	4.23
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	0.02	3.92
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-0.16	0.22	59.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-0.16	0.23	61.76
Chico, CA	CO	Maintenance	100	-	-0.00	0.01	1.23
Chico, CA	Ozone	Former Subpart 1	50	-	-0.01	0.01	2.58
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.04	0.08	16.12

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.04	0.08	15.60
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.08
Clark County, NV	PM ₁₀	Serious	70	-	-0.04	0.08	14.76
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	0.01	2.28
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.01	1.39
Cleveland, OH	CO	Maintenance	100	-	-0.02	0.03	6.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.05	0.10	19.69
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.04	0.10	18.01
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.02	0.04	6.75
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	0.00	0.40
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	0.03	5.49
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.01	0.03	5.35
Columbus, OH	Ozone	Maintenance	100	-	-0.04	0.08	15.15
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.04	0.08	14.11
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.02	0.03	6.28
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.01	0.03	5.41
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-0.16	0.35	64.99
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.02	0.03	6.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.01	0.03	5.41
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.07	0.14	27.18
Denver-Boulder, CO	CO	Maintenance	100	-	-0.06	0.14	25.98
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.08	0.17	32.81
Detroit, MI	CO	Maintenance	100	-	-0.02	0.05	9.79
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.09	0.20	37.25
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.09	0.19	36.55

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.32
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.00	0.00	0.27
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.22
Duluth, MN	CO	Maintenance	100	-	-0.00	0.00	0.59
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	0.00	0.08
East Chicago, IN	CO	Maintenance	100	-	-0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.53
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.01	0.02	4.14
El Paso, TX	CO	Maintenance	100	-	-0.00	0.00	0.25
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.01	1.70
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.00	0.01	1.97
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.00	0.01	1.89
Evansville, IN	Ozone	Maintenance	100	-	-0.00	0.01	1.99
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	0.01	2.52
Fairbanks, AK	CO	Maintenance	100	-	-0.00	0.00	0.16
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.01	0.01	2.39
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.07
Flint, MI	Ozone	Maintenance	100	-	-0.01	0.02	3.97
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.00	0.01	1.67
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	0.02	2.96
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	0.01	1.29
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.07
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.01	0.02	4.01

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.00	0.00	0.19
Fresno, CA	CO	Maintenance	100	-	-0.01	0.03	5.37
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.02	0.04	7.09
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.27
Grant County, NM	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.32
Great Falls, MT	CO	Maintenance	100	-	-0.00	0.00	0.12
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.03	0.07	12.62
Greeley, CO	CO	Maintenance	100	-	-0.00	0.01	1.09
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	0.01	1.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	0.00	0.39
Greene County, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.34
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.03	0.07	12.80
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.02	0.03	6.21
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.02	0.04	6.77
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.00	0.00	0.18
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.00	0.00	0.94
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.02	0.04	7.39
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.02	0.04	6.81
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.02	0.04	7.95
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	0.00	0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.00	0.00	0.38
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	0.00	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.00	0.32
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	1.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.01	0.01	2.22
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2.57	-29.21	-21.74
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	2.11
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.03	1.03
Huron County, MI	Ozone	Maintenance	100	-	-0.00	0.00	0.21
Imperial County, CA	Ozone	Moderate	50	-	-0.01	0.01	2.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.01	0.01	2.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.25
Indianapolis, IN	CO	Maintenance	100	-	-0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-0.04	0.09	17.20
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.03	0.07	13.69
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	0.00	0.61
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.20
Jefferson County, NY	Ozone	Moderate	50	-	-0.00	0.01	0.97
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.63
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.59
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.66
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	0.00	0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.01	0.02	3.90
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.28
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.04	0.08	14.39
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.00	0.01	1.25
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.23
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.65
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.00	0.00	0.19
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	0.00	0.37

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.37
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	0.06	10.85
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.02	0.04	8.18
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	0.00	0.24
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.12
Lake County, IN	SO _x	Maintenance	100	-	-0.01	0.01	2.19
Lake County, OH	SO _x	Maintenance	100	-	-0.00	0.00	0.27
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.00	0.00	0.34
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.00	0.00	0.78
Lake Tahoe, NV	CO	Maintenance	100	-	-0.00	0.00	0.16
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.01	0.02	3.75
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.01	0.02	3.75
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.01	0.02	3.83
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	0.00	0.68
Las Vegas, NV	CO	Serious	100	-	-0.04	0.08	14.76
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.04	0.08	14.91
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.00	0.00	0.64
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.08
Lima, OH	Ozone	Maintenance	100	-	-0.00	0.00	0.81
Longmont, CO	CO	Maintenance	100	-	-0.00	0.00	0.89
Lorain County, OH	SO _x	Maintenance	100	-	-0.00	0.00	0.37

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.35	0.57	135.38
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.35	0.57	135.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.35	0.57	135.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.35	0.57	135.39
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.35	0.57	135.38
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.02	0.03	6.26
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.02	0.05	8.69
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.02	0.04	8.27
Lowell, MA	CO	Maintenance	100	-	-0.00	0.01	1.01
Lucas County, OH	SO _x	Maintenance	100	-	-0.01	0.01	2.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.44
Macon, GA	Ozone	Maintenance	100	-	-0.00	0.01	1.45
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	1.43
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	-0.01	0.01	2.33
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.12
Manchester, NH	CO	Maintenance	100	-	-0.00	0.00	0.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.76
Marion County, IN	SO _x	Maintenance	100	-	-0.01	0.01	2.27
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	0.01	2.58
Mason County, MI	Ozone	Maintenance	100	-	-0.00	0.00	0.22
Medford, OR	CO	Maintenance	100	-	-0.00	0.00	0.77
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.85
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.02	0.01	7.21
Memphis, TN	CO	Maintenance	100	-	-0.02	0.01	6.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.28

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Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-0.01	0.02	3.93
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.04	0.08	14.65
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.10	-0.39	23.42
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.06	0.13	23.94
Missoula, MT	CO	Maintenance	100	-	-0.00	0.00	0.52
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.50
Modesto, CA	CO	Maintenance	100	-	-0.01	0.02	3.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	-0.00	0.00	0.33
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	0.00	0.21
Muncie, IN	Ozone	Maintenance	100	-	-0.00	0.00	0.75
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	0.00	0.13
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	0.01	1.06
Nashua, NH	CO	Maintenance	100	-	-0.00	0.00	0.42
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.08	13.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.63
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.33
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.01	0.03	5.93
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	0.00	0.04
New York County, NY	PM ₁₀	Moderate	100	-	-0.01	0.02	3.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.15	0.32	60.80
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.30	0.63	119.09
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.29	0.63	117.99
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.00	0.00	0.35

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Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-0.03	0.07	12.44
Ogden, UT	CO	Maintenance	100	-	-0.00	0.00	0.53
Ogden, UT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.53
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.00
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.01	1.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	1.09
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.17
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.73
Perth Amboy, NJ	CO	Maintenance	100	-	-0.00	0.00	0.81
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.01	0.01	2.66
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.42	-3.85	24.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.46	-3.76	41.75
Phoenix, AZ	CO	Maintenance	100	-	-0.13	0.28	52.65
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.13	0.29	53.99
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.13	0.29	54.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.04	0.08	15.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.03	0.07	13.70
Polk County, TN	SO _x	Maintenance	100	-	-0.00	0.00	0.16
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	-0.01	0.02	4.54

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Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.03	-0.02	9.00
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.33
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.03	0.07	12.89
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	-0.02	0.04	8.28
Provo, UT	CO	Maintenance	100	-	-0.00	0.01	1.54
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.03	0.06	11.93
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.04	0.09	16.17
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	-0.01	0.01	2.62
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.01	0.01	2.62
Reno, NV	CO	Maintenance	100	-	-0.00	0.01	1.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.02	0.05	9.79
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.00	0.00	0.49
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.02	0.04	6.75
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.97
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	0.00	0.68
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.03	0.06	10.58
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	0.01	1.39
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.93
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.04	0.08	15.19
Sacramento Metro, CA	Ozone	Severe	25	-	-0.07	0.15	28.18
Sacramento, CA	CO	Maintenance	100	-	-0.04	0.09	17.10
Salem, OR	CO	Maintenance	100	-	-0.00	0.01	1.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.02	1.76

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	0.02	8.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.02	0.05	8.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.04	0.09	16.16
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.01	0.02	3.81
San Diego, CA	CO	Maintenance	100	-	-0.10	0.22	40.66
San Diego, CA	Ozone	Former Subpart 1	50	-	-0.10	0.22	40.74
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.57	-4.74	46.35
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.58	-4.71	53.46
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.12	0.10	45.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.13	0.10	45.21
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.12	0.10	45.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.32
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.01	0.03	5.29
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.08	-0.05	25.84
Sheboygan, WI	Ozone	Moderate	50	-	-0.00	0.01	1.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	0.00	0.17
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-0.00	0.00	0.15
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.01	0.02	3.58
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.96
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	0.01	2.59
Spokane, WA	CO	Maintenance	100	-	-0.01	0.01	2.56
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.02	0.04	7.06
Springfield, MA	CO	Maintenance	100	-	-0.00	0.01	1.24
St. Louis, MO	CO	Maintenance	100	-	-0.01	0.03	5.85
St. Louis, MO-IL	Ozone	Moderate	50	-	-0.05	0.12	22.00
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-0.05	0.12	21.85

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Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.01	1.51
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	0.00	0.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	0.00	0.65
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.65
Stockton, CA	CO	Maintenance	100	-	-0.01	0.03	4.82
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	0.02	3.83
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	0.00	0.88
Tioga County, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.40
Toledo, OH	Ozone	Maintenance	100	-	-0.01	0.02	4.07
Toms River, NJ	CO	Maintenance	100	-	-0.00	0.01	0.96
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	0.00	0.86
Trenton, NJ	CO	Maintenance	100	-	-0.00	0.00	0.73
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	-0.02	0.05	9.00
Utah County, UT	PM ₁₀	Moderate	100	-	-0.01	0.02	4.39
Vancouver, WA	CO	Maintenance	100	-	-0.01	0.02	3.00
Ventura County, CA	Ozone	Serious	50	-	-0.02	0.04	8.33
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.05
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	0.00	0.88
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.00	0.44
Warren County, NJ	SO _x	Maintenance	100	-	-0.00	0.00	0.30
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	0.00	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	0.01	1.65
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.03	0.07	13.42

Appendix B

Table B.1-132
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.12	0.26	48.09
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.12	0.25	46.97
Washoe County, NV	PM ₁₀	Serious	70	-	-0.00	0.01	1.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	0.00	0.47
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	0.01	1.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	-0.00	0.00	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	0.01	0.98
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.98
Winston-Salem, NC	CO	Maintenance	100	-	-0.01	0.02	3.37
Worcester, MA	CO	Maintenance	100	-	-0.00	0.01	2.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.77
Yakima, WA	CO	Maintenance	100	-	-0.00	0.00	0.38
York, PA	Ozone	Maintenance	100	-	-0.01	0.02	3.81
York, PA	PM _{2.5}	Nonattainment	100	-	-0.01	0.02	2.95
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.01	0.02	4.39
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.00	0.01	1.75

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.08	0.09	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.15	0.19	-0.10
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.16	0.20	-0.10
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	47.88	58.84	-30.26
Albuquerque, NM	CO	Maintenance	100	-	22.19	27.28	-13.99
Allegan County, MI	Ozone	Former Subpart 1	50	-	5.34	6.57	-3.37
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	22.22	27.30	-14.14
Altoona, PA	Ozone	Maintenance	100	-	3.92	4.82	-2.47
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	5.77	7.09	-3.64
Anchorage, AK	CO	Maintenance	100	-	5.19	6.38	-3.27
Anthony, NM	PM ₁₀	Moderate	100	-	0.28	0.35	-0.18
Armstrong County, PA	SO _x	Nonattainment	100	-	0.18	0.23	-0.12
Aspen, CO	PM ₁₀	Maintenance	100	-	0.26	0.32	-0.16
Atlanta, GA	Ozone	Moderate	50	-	247.15	303.75	-156.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	247.29	303.93	-156.21
Atlantic City, NJ	CO	Maintenance	100	-	1.95	2.40	-1.23
Bakersfield, CA	CO	Maintenance	100	-	15.82	19.26	-11.05
Baltimore, MD	CO	Maintenance	100	-	0.38	0.47	-0.26
Baltimore, MD	Ozone	Moderate	50	-	110.94	136.28	-70.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	110.94	136.27	-70.53
Baton Rouge, LA	Ozone	Moderate	50	-	-14.52	-37.59	-105.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.31	-41.91	-85.68
Benton County, TN	SO _x	Maintenance	100	-	0.04	0.05	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	6.97	8.57	-4.41
Benzie County, MI	Ozone	Maintenance	100	-	0.82	1.01	-0.52
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	5.45	6.69	-3.43
Billings, MT	CO	Maintenance	100	-	-4.36	-8.76	-16.97
Birmingham, AL	Ozone	Maintenance	100	-	38.23	46.86	-24.94

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	38.36	47.01	-25.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	11.92	14.61	-7.79
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	11.92	14.61	-7.79
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.60	0.74	-0.38
Boston, MA	CO	Maintenance	100	-	32.24	39.63	-20.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	191.52	235.42	-120.75
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	24.15	29.69	-15.23
Boyd County (part), KY	SO _x	Maintenance	100	-	0.37	0.46	-0.24
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	43.70	53.72	-27.55
Burlington, NJ	CO	Maintenance	100	-	0.32	0.40	-0.20
Butte, MT	PM ₁₀	Moderate	100	-	0.81	1.00	-0.51
Canon City, CO	PM ₁₀	Maintenance	100	-	0.71	0.87	-0.45
Canton-Massillon, OH	Ozone	Maintenance	100	-	9.44	10.75	-10.93
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	9.44	10.75	-10.93
Case County, MI	Ozone	Maintenance	100	-	1.66	2.04	-1.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.03	0.03	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.25	0.31	-0.16
Charleston, WV	Ozone	Maintenance	100	-	10.68	13.12	-6.73
Charleston, WV	PM _{2.5}	Nonattainment	100	-	10.68	13.12	-6.73
Charlotte, NC	CO	Maintenance	100	-	27.11	33.33	-17.09
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	60.92	74.88	-38.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	20.69	25.43	-13.05
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	18.78	23.08	-11.85
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	209.49	231.86	-281.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	218.47	242.90	-286.84
Chico, CA	CO	Maintenance	100	-	3.83	4.70	-2.41
Chico, CA	Ozone	Former Subpart 1	50	-	8.95	11.00	-5.64
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	73.96	90.92	-46.63

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Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	71.85	88.32	-45.30
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.54	0.66	-0.34
Clark County, NV	PM ₁₀	Serious	70	-	54.29	66.74	-34.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	9.61	11.81	-6.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	6.83	8.40	-4.31
Cleveland, OH	CO	Maintenance	100	-	36.27	44.58	-22.87
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	97.71	120.10	-61.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	90.22	110.90	-56.88
Coachella Valley, CA	PM ₁₀	Serious	70	-	22.73	27.94	-14.33
Colbert County, AL	SO _x	Maintenance	100	-	2.32	2.85	-1.46
Colorado Springs, CO	CO	Maintenance	100	-	21.31	26.04	-14.34
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.20	0.25	-0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	24.44	30.04	-15.41
Columbus, OH	Ozone	Maintenance	100	-	61.90	76.08	-39.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	57.36	70.51	-36.17
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.13	0.16	-0.09
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	36.27	44.58	-22.87
Cuyahoga County, OH	SO _x	Maintenance	100	-	29.55	36.32	-18.63
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	254.75	313.04	-161.25
Dayton-Springfield, OH	Ozone	Maintenance	100	-	31.91	39.22	-20.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	28.23	34.71	-17.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	105.60	127.85	-77.91
Denver-Boulder, CO	CO	Maintenance	100	-	100.83	122.00	-74.91
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	128.10	155.51	-92.12
Detroit, MI	CO	Maintenance	100	-	59.71	72.64	-42.07
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	172.02	210.46	-114.20
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	168.79	206.49	-112.16

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Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	1.36	1.68	-0.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	1.34	1.64	-0.84
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	1.05	1.29	-0.66
Duluth, MN	CO	Maintenance	100	-	3.13	3.84	-1.97
Eagle River, AK	PM ₁₀	Moderate	100	-	0.31	0.38	-0.20
East Chicago, IN	CO	Maintenance	100	-	0.04	0.05	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-19.48	-36.98	-63.53
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.04	0.05	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	15.90	18.52	-16.00
El Paso, TX	CO	Maintenance	100	-	1.18	1.45	-0.75
Erie, PA	Ozone	Maintenance	100	-	8.68	10.67	-5.48
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	8.58	10.54	-5.41
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	8.19	10.07	-5.16
Evansville, IN	Ozone	Maintenance	100	-	9.57	11.76	-6.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	12.34	15.16	-7.78
Fairbanks, AK	CO	Maintenance	100	-	0.63	0.78	-0.40
Fayetteville, NC	Ozone	Former Subpart 1	50	-	11.09	13.63	-6.99
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.26	0.32	-0.16
Flint, MI	Ozone	Maintenance	100	-	19.71	24.23	-12.43
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.04	0.05	-0.03
Fort Collins, CO	CO	Maintenance	100	-	6.43	7.91	-4.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.03	0.03	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	13.70	16.85	-8.64
Franklin County, PA	Ozone	Maintenance	100	-	5.67	6.97	-3.58
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.03	0.04	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	4.90	6.02	-3.09
Fredericksburg, VA	Ozone	Maintenance	100	-	15.05	18.50	-9.49

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Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.63	0.77	-0.39
Fresno, CA	CO	Maintenance	100	-	21.54	26.46	-13.70
Grand Rapids, MI	Ozone	Maintenance	100	-	30.07	36.97	-18.96
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.57	1.93	-0.99
Grant County, NM	SO _x	Maintenance	100	-	0.10	0.13	-0.07
Grants Pass, OR	CO	Maintenance	100	-	0.02	0.02	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.20	1.48	-0.76
Great Falls, MT	CO	Maintenance	100	-	0.76	0.94	-0.48
Greater Connecticut, CT	Ozone	Moderate	50	-	62.30	76.56	-39.44
Greeley, CO	CO	Maintenance	100	-	4.55	5.60	-2.87
Green Bay, WI	SO _x	Maintenance	100	-	4.59	5.64	-2.89
Greene County, IN	Ozone	Maintenance	100	-	1.83	2.25	-1.15
Greene County, PA	Ozone	Maintenance	100	-	1.73	2.12	-1.09
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	61.21	75.21	-38.80
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	30.33	37.25	-19.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	34.06	41.83	-21.69
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.85	1.05	-0.54
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	4.31	5.30	-2.72
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	31.74	39.00	-20.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	29.31	36.01	-18.54
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	40.46	49.71	-25.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.36	0.45	-0.23
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.42	1.75	-0.90
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.18	0.23	-0.12
Hazelwood, PA	SO _x	Maintenance	100	-	1.52	1.87	-0.97
Hickory, NC	PM _{2.5}	Nonattainment	100	-	6.81	8.37	-4.29
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	11.15	13.70	-7.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.09	0.11	-0.06

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Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	150.82	157.60	-256.70
Humphreys County, TN	SO _x	Maintenance	100	-	0.10	0.13	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-15.35	-31.75	-65.19
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-20.60	-38.20	-61.88
Huron County, MI	Ozone	Maintenance	100	-	1.08	1.33	-0.68
Imperial County, CA	Ozone	Moderate	50	-	7.94	9.76	-5.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	7.76	9.54	-4.90
Indian Wells, CA	PM ₁₀	Maintenance	100	-	1.27	1.56	-0.80
Indianapolis, IN	CO	Maintenance	100	-	0.04	0.05	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	74.51	91.58	-46.98
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	59.01	72.53	-37.20
Jackson County, IN	Ozone	Maintenance	100	-	3.00	3.69	-1.89
Jamestown, NY	Ozone	Former Subpart 1	50	-	5.88	7.23	-3.71
Jefferson County, NY	Ozone	Moderate	50	-	4.66	5.73	-2.94
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.30	0.37	-0.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	8.24	10.13	-5.20
Johnstown, PA	Ozone	Maintenance	100	-	3.98	4.90	-2.51
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	4.36	5.36	-2.75
Juneau, AK	PM ₁₀	Moderate	100	-	0.39	0.48	-0.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	19.10	23.48	-12.04
Kalispell, MT	PM ₁₀	Moderate	100	-	1.07	1.32	-0.68
Kansas City, MO-KS	Ozone	Maintenance	100	-	61.64	75.66	-39.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	5.32	6.54	-3.35
Kent, WA	PM ₁₀	Maintenance	100	-	0.91	1.12	-0.58
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	3.11	3.83	-1.96
Kewaunee County, WI	Ozone	Maintenance	100	-	0.94	1.15	-0.59
King County, WA	PM ₁₀	Maintenance	100	-	0.38	0.47	-0.24
Klamath Falls, OR	CO	Maintenance	100	-	1.88	2.31	-1.18

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.88	2.31	-1.18
Knoxville, TN	Ozone	Former Subpart 1	50	-	43.64	53.64	-27.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	33.95	41.74	-21.41
La Porte County, IN	SO _x	Maintenance	100	-	1.33	1.64	-0.84
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.57	0.70	-0.36
Lake County, IN	SO _x	Maintenance	100	-	11.56	14.17	-7.50
Lake County, OH	SO _x	Maintenance	100	-	1.35	1.67	-0.85
Lake County, OR	PM ₁₀	Maintenance	100	-	0.23	0.29	-0.15
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.02	1.25	-0.64
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	2.16	2.66	-1.36
Lake Tahoe, NV	CO	Maintenance	100	-	0.76	0.93	-0.48
Lamar, CO	PM ₁₀	Maintenance	100	-	0.34	0.41	-0.21
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.06	0.07	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	16.81	20.65	-10.69
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	16.81	20.65	-10.69
Lane County, OR	PM ₁₀	Moderate	100	-	0.06	0.07	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	17.94	22.06	-11.31
LaPorte, IN	Ozone	Maintenance	100	-	3.74	4.60	-2.36
Las Vegas, NV	CO	Serious	100	-	54.29	66.74	-34.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	55.14	67.78	-34.77
Lauderdale County, AL	SO _x	Maintenance	100	-	3.36	4.13	-2.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.07	0.08	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.17	0.21	-0.11
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.23	0.28	-0.14
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.54	0.66	-0.34
Lima, OH	Ozone	Maintenance	100	-	-0.83	-3.39	-13.28
Longmont, CO	CO	Maintenance	100	-	3.32	4.08	-2.09
Lorain County, OH	SO _x	Maintenance	100	-	1.73	2.12	-1.09

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Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	520.98	620.05	-446.81
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	520.98	620.05	-446.81
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	520.98	620.05	-446.81
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	520.99	620.06	-446.82
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	520.95	620.02	-446.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	25.41	31.24	-16.02
Louisville, KY-IN	Ozone	Maintenance	100	-	42.75	52.55	-26.95
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	41.48	50.99	-26.15
Lowell, MA	CO	Maintenance	100	-	4.22	5.19	-2.66
Lucas County, OH	SO _x	Maintenance	100	-	11.46	14.09	-7.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	2.38	2.93	-1.50
Macon, GA	Ozone	Maintenance	100	-	8.07	9.92	-5.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	7.99	9.82	-5.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.11	0.14	-0.07
Madison, WI	SO _x	Maintenance	100	-	8.93	10.98	-5.63
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.33	0.40	-0.21
Manchester, NH	CO	Maintenance	100	-	2.96	3.64	-1.87
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	3.86	4.74	-2.43
Marion County, IN	SO _x	Maintenance	100	-	11.96	14.70	-7.54
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	4.00	4.92	-2.52
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	11.98	14.73	-7.55
Mason County, MI	Ozone	Maintenance	100	-	0.99	1.21	-0.62
Medford, OR	CO	Maintenance	100	-	2.83	3.47	-1.78
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	6.73	8.27	-4.24
Memphis, TN-AR	Ozone	Maintenance	100	-	35.81	42.90	-29.10
Memphis, TN	CO	Maintenance	100	-	32.70	39.08	-27.14
Miami (Gila County), AZ	SO _x	Maintenance	100	-	1.07	1.32	-0.68

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.20	0.25	-0.13
Milwaukee, WI	SO _x	Maintenance	100	-	20.19	24.82	-12.73
Milwaukee-Racine, WI	Ozone	Moderate	50	-	66.68	81.97	-42.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	47.15	29.25	-196.63
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	104.02	127.76	-66.20
Missoula, MT	CO	Maintenance	100	-	2.17	2.62	-1.68
Missoula, MT	PM ₁₀	Moderate	100	-	2.11	2.54	-1.63
Modesto, CA	CO	Maintenance	100	-	11.06	13.59	-6.97
Mohave County, AZ	PM ₁₀	Maintenance	100	-	3.71	4.56	-2.34
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.05	0.06	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.13	0.16	-0.08
Morristown, NJ	CO	Maintenance	100	-	1.19	1.46	-0.75
Muhlenberg County, KY	SO _x	Maintenance	100	-	1.11	1.37	-0.70
Muncie, IN	Ozone	Maintenance	100	-	4.50	5.53	-2.84
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.16	0.20	-0.10
Muscatine County, IA	SO _x	Maintenance	100	-	0.57	0.70	-0.36
Muskegon, MI	Ozone	Maintenance	100	-	4.85	5.96	-3.07
Nashua, NH	CO	Maintenance	100	-	2.36	2.90	-1.49
Nashville, TN	Ozone	Former Subpart 1	50	-	60.55	74.40	-38.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	4.88	6.00	-3.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	5.11	6.28	-3.22
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	29.87	36.72	-18.83
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.23	0.28	-0.15
New York County, NY	PM ₁₀	Moderate	100	-	17.56	21.59	-11.07
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	293.73	359.95	-191.68
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	555.52	681.18	-360.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	550.86	675.46	-357.06
Nogales, AZ	PM ₁₀	Moderate	100	-	1.52	1.86	-0.96

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-119.27	-231.99	-421.13
Ogden, UT	CO	Maintenance	100	-	2.67	3.28	-1.68
Ogden, UT	PM ₁₀	Moderate	100	-	2.67	3.28	-1.68
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.81	0.99	-0.51
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	3.92	4.81	-2.47
Owens Valley, CA	PM ₁₀	Serious	70	-	0.14	0.17	-0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	5.53	6.79	-3.48
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	5.56	6.84	-3.51
Payson, AZ	PM ₁₀	Maintenance	100	-	0.72	0.88	-0.45
Penns Grove, NJ	CO	Maintenance	100	-	0.02	0.02	-0.01
Peoria, IL	SO _x	Maintenance	100	-	3.82	4.69	-2.43
Perth Amboy, NJ	CO	Maintenance	100	-	1.70	1.54	-4.24
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	15.07	18.53	-9.50
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	134.29	149.08	-177.66
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	212.47	245.17	-227.04
Phoenix, AZ	CO	Maintenance	100	-	164.55	202.24	-103.94
Phoenix, AZ	PM ₁₀	Serious	70	-	169.77	208.66	-107.23
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	170.38	209.41	-107.62
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.41	0.50	-0.26
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.05	0.06	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	0.85	1.04	-0.54
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	76.18	93.61	-48.20
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	69.60	85.53	-44.05
Polk County, TN	SO _x	Maintenance	100	-	0.80	0.98	-0.50
Polson, MT	PM ₁₀	Moderate	100	-	0.11	0.13	-0.07
Portland, ME	Ozone	Maintenance	100	-	20.87	25.57	-13.69

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	43.55	53.45	-27.94
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.67	2.05	-1.05
Poughkeepsie, NY	Ozone	Moderate	50	-	49.74	61.15	-31.36
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.36	0.44	-0.22
Providence (entire State), RI	Ozone	Moderate	50	-	36.47	44.71	-23.65
Provo, UT	CO	Maintenance	100	-	5.92	7.28	-3.73
Raleigh-Durham, NC	CO	Maintenance	100	-	47.81	58.75	-30.26
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	65.29	80.23	-41.28
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.07	0.09	-0.05
Reading, PA	Ozone	Maintenance	100	-	12.57	15.45	-7.93
Reading, PA	PM _{2.5}	Nonattainment	100	-	12.57	15.45	-7.93
Reno, NV	CO	Maintenance	100	-	9.17	11.27	-5.78
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.03	0.04	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	46.03	56.56	-29.19
Rillito, AZ	PM ₁₀	Moderate	100	-	1.75	2.15	-1.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	22.73	27.94	-14.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	9.97	12.25	-6.29
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	2.98	3.67	-1.88
Rochester, NY	Ozone	Former Subpart 1	50	-	50.46	62.03	-31.81
Rocky Mount, NC	Ozone	Maintenance	100	-	7.07	8.70	-4.46
Rome, GA	PM _{2.5}	Nonattainment	100	-	4.54	5.58	-2.86
Ronan, MT	PM ₁₀	Moderate	100	-	0.04	0.05	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.10	0.12	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	53.56	65.84	-33.77
Sacramento Metro, CA	Ozone	Severe	25	-	95.16	116.83	-60.85
Sacramento, CA	CO	Maintenance	100	-	59.50	73.12	-37.62
Salem, OR	CO	Maintenance	100	-	4.96	6.10	-3.13
Salt Lake City, UT	CO	Maintenance	100	-	7.21	8.53	-6.44

Appendix B

Table B.1-133							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	37.65	45.96	-25.64
Salt Lake County, UT	SO _x	Nonattainment	100	-	38.34	47.12	-24.17
San Antonio, TX	Ozone	Former Subpart 1	50	-	68.78	84.51	-43.55
San Bernardino County, CA	PM ₁₀	Moderate	100	-	15.74	19.35	-9.92
San Diego, CA	CO	Maintenance	100	-	150.10	184.51	-94.64
San Diego, CA	Ozone	Former Subpart 1	50	-	150.38	184.85	-94.81
San Francisco Bay Area, CA	Ozone	Marginal	50	-	225.54	272.72	-168.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	257.26	311.71	-188.47
San Joaquin Valley, CA	Ozone	Extreme	10	-	163.11	200.28	-104.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	163.87	201.21	-104.60
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	163.11	200.28	-104.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.22	1.50	-0.77
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.03	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	25.23	31.01	-15.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	110.41	135.72	-69.61
Sheboygan, WI	Ozone	Moderate	50	-	4.42	5.44	-2.79
Sheridan, WY	PM ₁₀	Moderate	100	-	0.83	1.02	-0.52
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.65	0.80	-0.41
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	17.02	20.92	-10.77
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	6.86	8.43	-4.33
Spokane County, WA	PM ₁₀	Maintenance	100	-	10.98	13.50	-6.93
Spokane, WA	CO	Maintenance	100	-	10.88	13.37	-6.86
Springfield (western MA), MA	Ozone	Moderate	50	-	33.55	41.19	-21.43
Springfield, MA	CO	Maintenance	100	-	5.34	6.55	-3.47
St. Louis, MO	CO	Maintenance	100	-	35.77	43.97	-22.55
St. Louis, MO-IL	Ozone	Moderate	50	-	102.98	121.94	-91.98
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	102.24	121.03	-91.51

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	6.30	7.75	-3.97
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.65	0.80	-0.41
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.65	2.03	-1.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	3.20	3.69	-3.44
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	3.20	3.69	-3.44
Stockton, CA	CO	Maintenance	100	-	16.67	20.50	-10.51
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	19.54	24.02	-12.32
Telluride, CO	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	5.10	6.27	-3.21
Tioga County, PA	Ozone	Maintenance	100	-	2.16	2.66	-1.36
Toledo, OH	Ozone	Maintenance	100	-	6.47	1.05	-44.20
Toms River, NJ	CO	Maintenance	100	-	3.62	4.45	-2.28
Tooele County, UT	SO _x	Nonattainment	100	-	3.75	4.61	-2.37
Trenton, NJ	CO	Maintenance	100	-	3.32	4.08	-2.09
Trona, CA	PM ₁₀	Moderate	100	-	0.11	0.14	-0.07
Tucson, AZ	CO	Maintenance	100	-	36.50	44.87	-23.02
Utah County, UT	PM ₁₀	Moderate	100	-	17.81	21.89	-11.23
Vancouver, WA	CO	Maintenance	100	-	11.24	13.82	-7.09
Ventura County, CA	Ozone	Serious	50	-	30.05	36.82	-19.60
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.28	0.34	-0.17
Vigo County, IN	SO _x	Maintenance	100	-	5.10	6.27	-3.21
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	2.13	2.62	-1.35
Warren County, NJ	SO _x	Maintenance	100	-	1.34	1.65	-0.84
Warren County, PA	SO _x	Nonattainment	100	-	0.54	0.65	-0.38
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	8.04	9.88	-5.07
Washington, DC-MD-VA	CO	Maintenance	100	-	58.67	72.11	-36.99

Appendix B

Table B.1-133
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	198.98	244.59	-125.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	194.93	239.61	-122.90
Washoe County, NV	PM ₁₀	Serious	70	-	9.17	11.27	-5.78
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.16	0.19	-0.10
Wayne County, IN	SO _x	Maintenance	100	-	2.79	3.43	-1.76
Wayne County, MI	PM ₁₀	Maintenance	100	-	1.65	1.52	-3.97
Weirton, WV	PM ₁₀	Maintenance	100	-	0.38	0.47	-0.24
Weirton, WV	SO _x	Maintenance	100	-	0.50	0.61	-0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	5.80	7.13	-3.66
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	5.80	7.13	-3.66
Winston-Salem, NC	CO	Maintenance	100	-	15.39	18.91	-9.70
Worcester, MA	CO	Maintenance	100	-	8.01	9.85	-5.05
Yakima County, WA	PM ₁₀	Maintenance	100	-	3.47	4.26	-2.19
Yakima, WA	CO	Maintenance	100	-	1.38	1.70	-0.87
York, PA	Ozone	Maintenance	100	-	16.53	20.32	-10.42
York, PA	PM _{2.5}	Nonattainment	100	-	12.87	15.82	-8.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	24.62	30.27	-15.52
Yuma, AZ	PM ₁₀	Moderate	100	-	6.76	8.31	-4.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.19	0.27	-1.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.39	0.55	-2.15
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.41	0.58	-2.23
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	121.72	172.61	-668.01
Albuquerque, NM	CO	Maintenance	100	-	56.14	79.63	-307.99
Allegan County, MI	Ozone	Former Subpart 1	50	-	13.87	19.68	-76.12
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	56.40	79.95	-309.84
Altoona, PA	Ozone	Maintenance	100	-	9.70	13.76	-53.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	15.84	22.46	-86.89
Anchorage, AK	CO	Maintenance	100	-	13.54	19.20	-74.27
Anthony, NM	PM ₁₀	Moderate	100	-	0.72	1.01	-3.92
Armstrong County, PA	SO _x	Nonattainment	100	-	0.47	0.66	-2.56
Aspen, CO	PM ₁₀	Maintenance	100	-	0.67	0.95	-3.68
Atlanta, GA	Ozone	Moderate	50	-	637.99	904.79	-3,501.06
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	638.35	905.29	-3,502.99
Atlantic City, NJ	CO	Maintenance	100	-	4.90	6.94	-26.86
Bakersfield, CA	CO	Maintenance	100	-	41.26	58.16	-229.86
Baltimore, MD	CO	Maintenance	100	-	0.95	1.34	-5.28
Baltimore, MD	Ozone	Moderate	50	-	284.42	403.20	-1,562.23
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	284.41	403.19	-1,562.21
Baton Rouge, LA	Ozone	Moderate	50	-	-21.20	-69.10	-256.13
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-38.74	-88.44	-107.10
Benton County, TN	SO _x	Maintenance	100	-	0.11	0.16	-0.60
Benton Harbor, MI	Ozone	Maintenance	100	-	17.15	24.31	-94.11
Benzie County, MI	Ozone	Maintenance	100	-	2.18	3.09	-11.97
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	13.98	19.82	-76.68
Billings, MT	CO	Maintenance	100	-	-8.41	-18.64	-17.84
Birmingham, AL	Ozone	Maintenance	100	-	95.92	135.77	-528.95

Appendix B

Table B.1-134
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	96.24	136.21	-530.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	30.77	43.55	-169.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	30.77	43.55	-169.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.59	2.26	-8.72
Boston, MA	CO	Maintenance	100	-	81.23	115.21	-445.62
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	486.41	689.89	-2,668.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	61.95	87.87	-339.87
Boyd County (part), KY	SO _x	Maintenance	100	-	0.93	1.31	-5.08
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	109.83	155.78	-602.56
Burlington, NJ	CO	Maintenance	100	-	0.78	1.11	-4.29
Butte, MT	PM ₁₀	Moderate	100	-	1.98	2.81	-10.89
Canon City, CO	PM ₁₀	Maintenance	100	-	1.86	2.63	-10.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	24.13	32.54	-148.55
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	24.13	32.54	-148.55
Case County, MI	Ozone	Maintenance	100	-	4.15	5.89	-22.79
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.09	-0.36
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.61	0.86	-3.32
Charleston, WV	Ozone	Maintenance	100	-	26.33	37.35	-144.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	26.33	37.35	-144.46
Charlotte, NC	CO	Maintenance	100	-	70.18	99.53	-385.00
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	156.93	222.58	-860.92
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	51.99	73.74	-285.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	47.34	67.14	-259.72
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	556.90	739.16	-3,539.07
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	579.82	771.67	-3,664.80
Chico, CA	CO	Maintenance	100	-	10.36	14.70	-56.86
Chico, CA	Ozone	Former Subpart 1	50	-	23.88	33.87	-131.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	187.76	266.30	-1,030.05

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Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	182.28	258.53	-999.99
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.32	1.87	-7.26
Clark County, NV	PM ₁₀	Serious	70	-	143.19	203.09	-785.56
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	24.73	35.07	-135.66
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	17.16	24.33	-94.12
Cleveland, OH	CO	Maintenance	100	-	89.05	126.31	-488.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	245.05	347.57	-1,344.39
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	225.96	320.49	-1,239.63
Coachella Valley, CA	PM ₁₀	Serious	70	-	61.00	86.52	-334.64
Colbert County, AL	SO _x	Maintenance	100	-	5.68	8.05	-31.14
Colorado Springs, CO	CO	Maintenance	100	-	55.62	78.58	-308.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.52	0.74	-2.87
Columbia, SC	Ozone	Former Subpart 1	50	-	61.98	87.92	-340.05
Columbus, OH	Ozone	Maintenance	100	-	160.18	227.19	-878.78
Columbus, OH	PM _{2.5}	Nonattainment	100	-	148.58	210.73	-815.10
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.31	0.44	-1.74
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.05	-0.19
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	89.05	126.31	-488.56
Cuyahoga County, OH	SO _x	Maintenance	100	-	72.82	103.28	-399.47
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	664.10	941.71	-3,645.38
Dayton-Springfield, OH	Ozone	Maintenance	100	-	79.54	112.82	-436.37
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	70.30	99.71	-385.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	275.63	387.08	-1,548.91
Denver-Boulder, CO	CO	Maintenance	100	-	263.26	369.53	-1,481.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	334.09	469.98	-1,869.69
Detroit, MI	CO	Maintenance	100	-	147.88	208.25	-825.60
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	436.14	616.64	-2,411.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	427.95	605.02	-2,366.41

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Table B.1-134
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	3.51	4.98	-19.26
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.37	4.78	-18.48
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.67	3.78	-14.62
Duluth, MN	CO	Maintenance	100	-	7.75	10.99	-42.51
Eagle River, AK	PM ₁₀	Moderate	100	-	0.82	1.16	-4.48
East Chicago, IN	CO	Maintenance	100	-	0.10	0.14	-0.55
East Chicago, IN	PM ₁₀	Maintenance	100	-	-39.44	-81.72	-29.68
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.10	0.14	-0.52
El Paso County, TX	PM ₁₀	Moderate	100	-	41.63	57.02	-247.77
El Paso, TX	CO	Maintenance	100	-	2.98	4.23	-16.37
Erie, PA	Ozone	Maintenance	100	-	21.68	30.75	-118.94
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.15	0.21	-0.82
Eugene-Springfield, OR	CO	Maintenance	100	-	21.93	31.10	-120.31
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	20.96	29.73	-114.98
Evansville, IN	Ozone	Maintenance	100	-	24.12	34.21	-132.32
Evansville, IN	PM _{2.5}	Nonattainment	100	-	31.02	43.99	-170.16
Fairbanks, AK	CO	Maintenance	100	-	1.65	2.34	-9.07
Fayetteville, NC	Ozone	Former Subpart 1	50	-	28.09	39.85	-154.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.68	0.97	-3.75
Flint, MI	Ozone	Maintenance	100	-	49.44	70.12	-271.21
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.11	0.15	-0.59
Fort Collins, CO	CO	Maintenance	100	-	16.83	23.88	-92.36
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.07	0.10	-0.37
Fort Wayne, IN	Ozone	Maintenance	100	-	34.74	49.28	-190.60
Franklin County, PA	Ozone	Maintenance	100	-	14.49	20.56	-79.51
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.07	0.10	-0.40
Frederick County, VA	Ozone	Former Subpart 1	50	-	12.44	17.64	-68.23
Fredericksburg, VA	Ozone	Maintenance	100	-	39.55	56.09	-216.96

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Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.65	2.34	-9.04
Fresno, CA	CO	Maintenance	100	-	56.11	79.54	-308.22
Grand Rapids, MI	Ozone	Maintenance	100	-	77.33	109.69	-424.26
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	3.88	5.50	-21.29
Grant County, NM	SO _x	Maintenance	100	-	0.25	0.36	-1.40
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.06	-0.23
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.13	4.44	-17.19
Great Falls, MT	CO	Maintenance	100	-	1.86	2.64	-10.19
Greater Connecticut, CT	Ozone	Moderate	50	-	156.37	221.74	-858.38
Greeley, CO	CO	Maintenance	100	-	11.74	16.66	-64.43
Green Bay, WI	SO _x	Maintenance	100	-	11.71	16.61	-64.24
Greene County, IN	Ozone	Maintenance	100	-	4.63	6.56	-25.38
Greene County, PA	Ozone	Maintenance	100	-	4.32	6.13	-23.70
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	154.37	218.88	-847.53
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	76.25	108.08	-418.97
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	85.23	120.82	-468.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	2.14	3.04	-11.76
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	10.95	15.54	-60.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	81.44	115.49	-447.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	75.18	106.60	-412.64
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	101.15	143.41	-555.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.95	1.35	-5.24
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.73	5.29	-20.47
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.47	0.66	-2.57
Hazelwood, PA	SO _x	Maintenance	100	-	3.82	5.41	-20.96
Hickory, NC	PM _{2.5}	Nonattainment	100	-	16.94	24.03	-92.95
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	27.91	39.59	-153.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.23	0.32	-1.26

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Table B.1-134
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	410.41	527.13	-2,776.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.26	0.37	-1.43
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-29.38	-67.14	-81.78
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-42.60	-85.89	-9.24
Huron County, MI	Ozone	Maintenance	100	-	2.71	3.84	-14.84
Imperial County, CA	Ozone	Moderate	50	-	20.89	29.63	-114.60
Imperial Valley, CA	PM ₁₀	Serious	70	-	20.43	28.97	-112.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	3.19	4.52	-17.50
Indianapolis, IN	CO	Maintenance	100	-	0.09	0.13	-0.52
Indianapolis, IN	Ozone	Maintenance	100	-	190.89	270.75	-1,047.26
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	151.30	214.60	-830.07
Jackson County, IN	Ozone	Maintenance	100	-	7.54	10.69	-41.36
Jamestown, NY	Ozone	Former Subpart 1	50	-	14.77	20.95	-81.02
Jefferson County, NY	Ozone	Moderate	50	-	11.76	16.68	-64.51
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.74	1.04	-4.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	20.61	29.24	-113.08
Johnstown, PA	Ozone	Maintenance	100	-	9.61	13.63	-52.71
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	10.54	14.94	-57.80
Juneau, AK	PM ₁₀	Moderate	100	-	1.03	1.46	-5.64
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	48.01	68.10	-263.40
Kalispell, MT	PM ₁₀	Moderate	100	-	2.80	3.97	-15.36
Kansas City, MO-KS	Ozone	Maintenance	100	-	158.22	224.19	-870.15
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	13.67	19.38	-74.97
Kent, WA	PM ₁₀	Maintenance	100	-	2.39	3.38	-13.09
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	7.88	11.17	-43.21
Kewaunee County, WI	Ozone	Maintenance	100	-	2.34	3.33	-12.86
King County, WA	PM ₁₀	Maintenance	100	-	0.98	1.39	-5.36
Klamath Falls, OR	CO	Maintenance	100	-	4.70	6.67	-25.79

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Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.70	6.67	-25.79
Knoxville, TN	Ozone	Former Subpart 1	50	-	113.25	160.62	-621.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	87.63	124.29	-480.74
La Porte County, IN	SO _x	Maintenance	100	-	3.30	4.68	-18.11
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.43	2.03	-7.84
Lake County, IN	SO _x	Maintenance	100	-	28.77	40.73	-158.50
Lake County, OH	SO _x	Maintenance	100	-	3.40	4.82	-18.63
Lake County, OR	PM ₁₀	Maintenance	100	-	0.58	0.82	-3.17
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.80	3.98	-15.38
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	5.99	8.50	-32.86
Lake Tahoe, NV	CO	Maintenance	100	-	1.92	2.73	-10.55
Lamar, CO	PM ₁₀	Maintenance	100	-	0.84	1.19	-4.61
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.14	0.19	-0.74
Lancaster, PA	Ozone	Maintenance	100	-	42.83	60.72	-235.27
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	42.83	60.72	-235.27
Lane County, OR	PM ₁₀	Moderate	100	-	0.14	0.19	-0.75
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	45.39	64.38	-249.01
LaPorte, IN	Ozone	Maintenance	100	-	9.24	13.11	-50.70
Las Vegas, NV	CO	Serious	100	-	143.19	203.09	-785.56
Las Vegas, NV	Ozone	Former Subpart 1	50	-	145.30	206.09	-797.15
Lauderdale County, AL	SO _x	Maintenance	100	-	8.36	11.85	-45.85
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.16	0.23	-0.90
Libby, MT	PM ₁₀	Moderate	100	-	0.42	0.59	-2.29
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.56	0.79	-3.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.32	1.87	-7.26
Lima, OH	Ozone	Maintenance	100	-	-0.39	-5.24	-42.68
Longmont, CO	CO	Maintenance	100	-	8.70	12.34	-47.71
Lorain County, OH	SO _x	Maintenance	100	-	4.37	6.20	-23.97

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Table B.1-134
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,362.42	1,892.13	-7,858.42
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1,362.42	1,892.13	-7,858.42
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,362.42	1,892.13	-7,858.42
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,362.44	1,892.15	-7,858.51
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,362.35	1,892.03	-7,858.03
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	65.87	93.43	-361.39
Louisville, KY-IN	Ozone	Maintenance	100	-	107.37	152.29	-589.04
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	103.87	147.32	-569.83
Lowell, MA	CO	Maintenance	100	-	10.81	15.33	-59.28
Lucas County, OH	SO _x	Maintenance	100	-	28.41	40.29	-155.85
Lyons Township, IL	PM ₁₀	Maintenance	100	-	5.91	8.38	-32.42
Macon, GA	Ozone	Maintenance	100	-	19.92	28.25	-109.29
Macon, GA	PM _{2.5}	Nonattainment	100	-	19.71	27.96	-108.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.27	0.39	-1.50
Madison, WI	SO _x	Maintenance	100	-	23.35	33.12	-128.09
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.91	1.29	-4.98
Manchester, NH	CO	Maintenance	100	-	7.35	10.43	-40.34
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	9.64	13.67	-52.87
Marion County, IN	SO _x	Maintenance	100	-	29.75	42.20	-163.21
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	10.74	15.23	-58.91
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	30.36	43.06	-166.54
Mason County, MI	Ozone	Maintenance	100	-	2.51	3.56	-13.77
Medford, OR	CO	Maintenance	100	-	7.44	10.55	-40.79
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	17.73	25.15	-97.29
Memphis, TN-AR	Ozone	Maintenance	100	-	89.86	125.23	-514.14
Memphis, TN	CO	Maintenance	100	-	82.24	114.43	-472.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.81	3.98	-15.39

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Table B.1-134							
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Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.50	0.71	-2.74
Milwaukee, WI	SO _x	Maintenance	100	-	50.25	71.28	-275.70
Milwaukee-Racine, WI	Ozone	Moderate	50	-	169.47	240.37	-929.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	144.77	148.57	-1,335.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	266.37	377.59	-1,463.35
Missoula, MT	CO	Maintenance	100	-	5.61	7.85	-31.76
Missoula, MT	PM ₁₀	Moderate	100	-	5.43	7.60	-30.77
Modesto, CA	CO	Maintenance	100	-	29.45	41.77	-161.58
Mohave County, AZ	PM ₁₀	Maintenance	100	-	9.89	14.02	-54.25
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.14	0.19	-0.75
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.32	0.45	-1.74
Morristown, NJ	CO	Maintenance	100	-	3.11	4.41	-17.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.76	3.91	-15.14
Muncie, IN	Ozone	Maintenance	100	-	11.01	15.61	-60.38
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.42	0.60	-2.31
Muscatine County, IA	SO _x	Maintenance	100	-	1.44	2.04	-7.91
Muskegon, MI	Ozone	Maintenance	100	-	12.31	17.45	-67.57
Nashua, NH	CO	Maintenance	100	-	5.87	8.32	-32.18
Nashville, TN	Ozone	Former Subpart 1	50	-	155.77	220.87	-855.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	13.44	19.06	-73.72
New Haven County, CT	PM ₁₀	Maintenance	100	-	13.24	18.78	-72.64
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	74.78	106.07	-410.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.57	0.81	-3.13
New York County, NY	PM ₁₀	Moderate	100	-	43.41	61.57	-238.14
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	739.47	1,046.62	-4,077.88
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,406.33	1,991.34	-7,746.91
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,394.36	1,974.36	-7,681.23
Nogales, AZ	PM ₁₀	Moderate	100	-	3.89	5.51	-21.33

Appendix B

Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-236.11	-503.70	-315.38
Ogden, UT	CO	Maintenance	100	-	6.69	9.48	-36.68
Ogden, UT	PM ₁₀	Moderate	100	-	6.69	9.48	-36.68
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.23	0.32	-1.25
Olmsted County, MN	PM ₁₀	Maintenance	100	-	2.00	2.84	-10.99
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	10.22	14.50	-56.08
Owens Valley, CA	PM ₁₀	Serious	70	-	0.37	0.52	-2.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.08
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	13.79	19.56	-75.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	13.89	19.70	-76.19
Payson, AZ	PM ₁₀	Maintenance	100	-	1.86	2.64	-10.20
Penns Grove, NJ	CO	Maintenance	100	-	0.05	0.06	-0.25
Peoria, IL	SO _x	Maintenance	100	-	9.49	13.45	-52.13
Perth Amboy, NJ	CO	Maintenance	100	-	5.00	6.02	-37.71
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	37.10	52.63	-203.56
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	349.86	464.59	-2,221.14
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	547.88	745.42	-3,307.78
Phoenix, AZ	CO	Maintenance	100	-	448.61	636.22	-2,461.72
Phoenix, AZ	PM ₁₀	Serious	70	-	462.26	655.58	-2,536.64
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	463.83	657.81	-2,545.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.02	1.45	-5.59
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.12	0.18	-0.68
Pittsburgh, PA	CO	Maintenance	100	-	2.20	3.12	-12.11
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	190.42	270.03	-1,045.22
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	173.96	246.68	-954.88
Polk County, TN	SO _x	Maintenance	100	-	2.00	2.83	-10.95
Polson, MT	PM ₁₀	Moderate	100	-	0.28	0.40	-1.53
Portland, ME	Ozone	Maintenance	100	-	52.99	74.98	-292.43

Appendix B

Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	109.93	155.75	-604.65
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	4.17	5.92	-22.89
Poughkeepsie, NY	Ozone	Moderate	50	-	130.04	184.44	-713.41
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.88	1.24	-4.81
Providence (entire State), RI	Ozone	Moderate	50	-	93.17	131.92	-513.27
Provo, UT	CO	Maintenance	100	-	15.51	22.00	-85.09
Raleigh-Durham, NC	CO	Maintenance	100	-	124.15	176.04	-681.47
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	169.31	240.09	-929.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.18	0.26	-1.01
Reading, PA	Ozone	Maintenance	100	-	31.69	44.95	-173.86
Reading, PA	PM _{2.5}	Nonattainment	100	-	31.69	44.95	-173.86
Reno, NV	CO	Maintenance	100	-	23.24	32.97	-127.52
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.09	0.13	-0.50
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	116.39	165.03	-639.09
Rillito, AZ	PM ₁₀	Moderate	100	-	4.64	6.58	-25.46
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	61.00	86.52	-334.64
Roanoke, VA	Ozone	Former Subpart 1	50	-	24.94	35.37	-136.81
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	7.64	10.84	-41.92
Rochester, NY	Ozone	Former Subpart 1	50	-	127.32	180.58	-698.48
Rocky Mount, NC	Ozone	Maintenance	100	-	17.67	25.06	-96.92
Rome, GA	PM _{2.5}	Nonattainment	100	-	11.42	16.20	-62.67
Ronan, MT	PM ₁₀	Moderate	100	-	0.11	0.15	-0.59
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.24	0.34	-1.32
Sacramento County, CA	PM ₁₀	Moderate	100	-	142.45	202.04	-781.47
Sacramento Metro, CA	Ozone	Severe	25	-	255.48	362.07	-1,404.33
Sacramento, CA	CO	Maintenance	100	-	158.87	225.30	-871.93
Salem, OR	CO	Maintenance	100	-	12.47	17.69	-68.41
Salt Lake City, UT	CO	Maintenance	100	-	18.74	25.94	-108.97

Appendix B

Table B.1-134 Emission Changes ^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2 Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	96.52	136.26	-535.70
Salt Lake County, UT	SO _x	Nonattainment	100	-	98.00	138.99	-537.63
San Antonio, TX	Ozone	Former Subpart 1	50	-	176.75	250.63	-970.27
San Bernardino County, CA	PM ₁₀	Moderate	100	-	40.96	58.10	-224.73
San Diego, CA	CO	Maintenance	100	-	395.68	561.21	-2,170.73
San Diego, CA	Ozone	Former Subpart 1	50	-	396.41	562.25	-2,174.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	589.23	826.79	-3,317.81
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	670.30	941.78	-3,762.59
San Joaquin Valley, CA	Ozone	Extreme	10	-	432.26	612.65	-2,375.58
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	434.07	615.22	-2,385.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	432.26	612.65	-2,375.58
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.20	4.54	-17.56
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.07	0.09	-0.36
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	63.66	90.29	-349.24
Seattle-Tacoma, WA	CO	Maintenance	100	-	284.45	403.45	-1,560.53
Sheboygan, WI	Ozone	Moderate	50	-	11.30	16.03	-62.02
Sheridan, WY	PM ₁₀	Moderate	100	-	2.08	2.95	-11.39
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	1.66	2.35	-9.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	42.97	60.93	-235.84
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	16.60	23.55	-91.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	28.26	40.08	-155.03
Spokane, WA	CO	Maintenance	100	-	27.97	39.67	-153.45
Springfield (western MA), MA	Ozone	Moderate	50	-	84.70	120.04	-465.59
Springfield, MA	CO	Maintenance	100	-	13.60	19.26	-74.96
St. Louis, MO	CO	Maintenance	100	-	87.15	123.62	-478.14
St. Louis, MO-IL	Ozone	Moderate	50	-	260.36	360.08	-1,516.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	258.51	357.45	-1,505.98

Appendix B

Table B.1-134							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	16.25	23.05	-89.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.76	2.49	-9.63
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	4.06	5.75	-22.26
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	8.01	10.88	-48.59
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	8.01	10.88	-48.59
Stockton, CA	CO	Maintenance	100	-	44.25	62.76	-242.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	48.83	69.25	-267.86
Telluride, CO	PM ₁₀	Maintenance	100	-	0.14	0.20	-0.76
Terre Haute, IN	Ozone	Maintenance	100	-	12.51	17.74	-68.61
Tioga County, PA	Ozone	Maintenance	100	-	5.36	7.60	-29.40
Toledo, OH	Ozone	Maintenance	100	-	20.98	16.12	-245.33
Toms River, NJ	CO	Maintenance	100	-	9.46	13.41	-51.87
Tooele County, UT	SO _x	Nonattainment	100	-	9.60	13.61	-52.66
Trenton, NJ	CO	Maintenance	100	-	8.41	11.93	-46.15
Trona, CA	PM ₁₀	Moderate	100	-	0.30	0.43	-1.64
Tucson, AZ	CO	Maintenance	100	-	94.59	134.16	-518.93
Utah County, UT	PM ₁₀	Moderate	100	-	46.15	65.45	-253.16
Vancouver, WA	CO	Maintenance	100	-	29.59	41.97	-162.35
Ventura County, CA	Ozone	Serious	50	-	79.54	112.59	-438.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.68	0.97	-3.75
Vigo County, IN	SO _x	Maintenance	100	-	12.51	17.74	-68.61
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	5.37	7.62	-29.46
Warren County, NJ	SO _x	Maintenance	100	-	3.41	4.84	-18.71
Warren County, PA	SO _x	Nonattainment	100	-	1.33	1.87	-7.41
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	20.22	28.68	-110.94
Washington, DC-MD-VA	CO	Maintenance	100	-	148.94	211.25	-817.13

Appendix B

Table B.1-134
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	513.74	728.66	-2,818.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	503.03	713.47	-2,759.70
Washoe County, NV	PM ₁₀	Serious	70	-	23.24	32.97	-127.52
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.39	0.55	-2.13
Wayne County, IN	SO _x	Maintenance	100	-	6.82	9.67	-37.41
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.69	5.66	-35.28
Weirton, WV	PM ₁₀	Maintenance	100	-	0.92	1.30	-5.03
Weirton, WV	SO _x	Maintenance	100	-	1.20	1.71	-6.60
Wheeling, WV-OH	Ozone	Maintenance	100	-	14.20	20.14	-77.89
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	14.20	20.14	-77.89
Winston-Salem, NC	CO	Maintenance	100	-	39.08	55.44	-214.42
Worcester, MA	CO	Maintenance	100	-	20.71	29.38	-113.64
Yakima County, WA	PM ₁₀	Maintenance	100	-	8.85	12.55	-48.55
Yakima, WA	CO	Maintenance	100	-	3.64	5.16	-19.97
York, PA	Ozone	Maintenance	100	-	42.34	60.05	-232.26
York, PA	PM _{2.5}	Nonattainment	100	-	32.92	46.69	-180.61
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	60.70	86.10	-333.02
Yuma, AZ	PM ₁₀	Moderate	100	-	17.67	25.06	-96.92

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.43	0.61	-7.15
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	1.00	1.41	-16.51
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	1.04	1.47	-17.14
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	307.39	435.64	-5,089.37
Albuquerque, NM	CO	Maintenance	100	-	139.85	198.21	-2,315.22
Allegan County, MI	Ozone	Former Subpart 1	50	-	37.15	52.66	-615.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	141.75	200.85	-2,347.46
Altoona, PA	Ozone	Maintenance	100	-	22.58	32.00	-373.74
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	48.41	68.61	-801.38
Anchorage, AK	CO	Maintenance	100	-	36.30	51.45	-601.00
Anthony, NM	PM ₁₀	Moderate	100	-	1.75	2.48	-28.96
Armstrong County, PA	SO _x	Nonattainment	100	-	1.17	1.65	-19.29
Aspen, CO	PM ₁₀	Maintenance	100	-	1.77	2.50	-29.23
Atlanta, GA	Ozone	Moderate	50	-	1,680.61	2,381.84	-27,824.40
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,681.32	2,382.86	-27,836.30
Atlantic City, NJ	CO	Maintenance	100	-	11.85	16.80	-196.26
Bakersfield, CA	CO	Maintenance	100	-	111.30	157.23	-1,849.08
Baltimore, MD	CO	Maintenance	100	-	2.29	3.24	-38.11
Baltimore, MD	Ozone	Moderate	50	-	735.26	1,041.83	-12,175.80
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	735.24	1,041.81	-12,175.61
Baton Rouge, LA	Ozone	Moderate	50	-	56.88	26.49	-1,641.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-7.23	-56.70	-480.96
Benton County, TN	SO _x	Maintenance	100	-	0.26	0.37	-4.31
Benton Harbor, MI	Ozone	Maintenance	100	-	39.13	55.45	-647.86
Benzie County, MI	Ozone	Maintenance	100	-	6.16	8.73	-101.99
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	36.26	51.39	-600.26
Billings, MT	CO	Maintenance	100	-	-2.38	-12.67	-80.93
Birmingham, AL	Ozone	Maintenance	100	-	233.10	329.99	-3,864.08

Appendix B

Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	233.90	331.13	-3,877.35
Boise-Northern Ada County, ID	CO	Maintenance	100	-	80.95	114.61	-1,341.83
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	80.95	114.61	-1,341.83
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	4.45	6.30	-73.62
Boston, MA	CO	Maintenance	100	-	200.36	283.97	-3,316.95
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1,225.08	1,736.35	-20,281.35
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	160.24	227.11	-2,652.73
Boyd County (part), KY	SO _x	Maintenance	100	-	2.17	3.07	-35.86
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	268.32	380.30	-4,442.04
Burlington, NJ	CO	Maintenance	100	-	1.62	2.29	-26.74
Butte, MT	PM ₁₀	Moderate	100	-	4.42	6.26	-73.11
Canon City, CO	PM ₁₀	Maintenance	100	-	5.10	7.23	-84.43
Canton-Massillon, OH	Ozone	Maintenance	100	-	61.79	85.23	-1,053.27
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	61.79	85.23	-1,053.27
Case County, MI	Ozone	Maintenance	100	-	10.09	14.30	-167.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.18	0.25	-2.94
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.32	1.87	-21.88
Charleston, WV	Ozone	Maintenance	100	-	60.70	86.03	-1,004.84
Charleston, WV	PM _{2.5}	Nonattainment	100	-	60.70	86.03	-1,004.84
Charlotte, NC	CO	Maintenance	100	-	186.21	263.92	-3,082.65
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	411.07	582.63	-6,805.35
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	126.99	179.98	-2,102.32
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	116.69	165.39	-1,931.87
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,578.02	2,166.27	-27,033.71
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,636.54	2,249.20	-28,002.39
Chico, CA	CO	Maintenance	100	-	31.10	44.08	-514.93
Chico, CA	Ozone	Former Subpart 1	50	-	68.35	96.87	-1,131.52
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	472.20	669.27	-7,817.36

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	457.63	648.61	-7,576.08
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	2.90	4.12	-48.10
Clark County, NV	PM ₁₀	Serious	70	-	398.69	565.07	-6,600.32
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	64.67	91.66	-1,070.61
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	41.85	59.31	-692.75
Cleveland, OH	CO	Maintenance	100	-	202.38	286.83	-3,350.34
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	595.01	843.33	-9,850.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	546.28	774.27	-9,043.78
Coachella Valley, CA	PM ₁₀	Serious	70	-	177.15	251.08	-2,932.78
Colbert County, AL	SO _x	Maintenance	100	-	12.83	18.18	-212.38
Colorado Springs, CO	CO	Maintenance	100	-	150.95	213.52	-2,504.58
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.43	2.03	-23.75
Columbia, SC	Ozone	Former Subpart 1	50	-	155.71	220.69	-2,577.79
Columbus, OH	Ozone	Maintenance	100	-	424.79	602.07	-7,032.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	394.92	559.73	-6,537.91
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.68	0.96	-11.26
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.08	0.12	-1.38
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	202.38	286.84	-3,350.40
Cuyahoga County, OH	SO _x	Maintenance	100	-	168.27	238.49	-2,785.72
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,795.04	2,543.88	-29,720.94
Dayton-Springfield, OH	Ozone	Maintenance	100	-	189.57	268.68	-3,138.28
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	166.99	236.68	-2,764.57
Denver Metro, CO	PM ₁₀	Maintenance	100	-	747.29	1,053.82	-12,440.69
Denver-Boulder, CO	CO	Maintenance	100	-	714.04	1,006.69	-11,890.23
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	903.89	1,275.76	-15,033.35
Detroit, MI	CO	Maintenance	100	-	339.53	479.20	-5,647.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1,093.02	1,546.46	-18,130.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1,072.48	1,517.35	-17,790.00

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	9.17	12.99	-151.76
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	8.19	11.61	-135.64
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	6.61	9.36	-109.38
Duluth, MN	CO	Maintenance	100	-	18.19	25.78	-301.16
Eagle River, AK	PM ₁₀	Moderate	100	-	2.25	3.19	-37.27
East Chicago, IN	CO	Maintenance	100	-	0.23	0.33	-3.84
East Chicago, IN	PM ₁₀	Maintenance	100	-	-28.79	-76.57	14.28
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.24	0.34	-3.96
El Paso County, TX	PM ₁₀	Moderate	100	-	113.34	157.83	-1,912.76
El Paso, TX	CO	Maintenance	100	-	7.39	10.47	-122.36
Erie, PA	Ozone	Maintenance	100	-	51.92	73.58	-859.50
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.40	0.57	-6.67
Eugene-Springfield, OR	CO	Maintenance	100	-	56.42	79.96	-933.98
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	54.06	76.62	-894.98
Evansville, IN	Ozone	Maintenance	100	-	59.42	84.22	-983.73
Evansville, IN	PM _{2.5}	Nonattainment	100	-	75.79	107.42	-1,254.70
Fairbanks, AK	CO	Maintenance	100	-	4.47	6.34	-74.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	70.24	99.55	-1,162.84
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.87	2.65	-30.91
Flint, MI	Ozone	Maintenance	100	-	120.06	170.17	-1,987.67
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.22	0.32	-3.72
Fort Collins, CO	CO	Maintenance	100	-	45.93	65.10	-760.42
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.15	0.21	-2.48
Fort Wayne, IN	Ozone	Maintenance	100	-	87.05	123.38	-1,441.10
Franklin County, PA	Ozone	Maintenance	100	-	37.12	52.62	-614.57
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.17	0.24	-2.85
Frederick County, VA	Ozone	Former Subpart 1	50	-	31.29	44.34	-517.94
Fredericksburg, VA	Ozone	Maintenance	100	-	109.13	154.67	-1,806.65

Appendix B

Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	4.70	6.66	-77.78
Fresno, CA	CO	Maintenance	100	-	150.42	213.14	-2,490.89
Grand Rapids, MI	Ozone	Maintenance	100	-	201.60	285.73	-3,337.48
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	8.90	12.62	-147.39
Grant County, NM	SO _x	Maintenance	100	-	0.57	0.81	-9.45
Grants Pass, OR	CO	Maintenance	100	-	0.12	0.16	-1.92
Grants Pass, OR	PM ₁₀	Maintenance	100	-	8.56	12.13	-141.67
Great Falls, MT	CO	Maintenance	100	-	4.11	5.83	-68.08
Greater Connecticut, CT	Ozone	Moderate	50	-	380.49	539.21	-6,300.06
Greeley, CO	CO	Maintenance	100	-	30.86	43.74	-510.94
Green Bay, WI	SO _x	Maintenance	100	-	29.76	42.18	-492.72
Greene County, IN	Ozone	Maintenance	100	-	11.54	16.35	-191.00
Greene County, PA	Ozone	Maintenance	100	-	10.39	14.73	-172.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	380.93	539.81	-6,307.55
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	186.44	264.15	-3,087.77
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	205.63	291.34	-3,405.53
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	5.27	7.47	-87.25
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	27.58	39.09	-456.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	211.10	299.17	-3,495.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	194.65	275.85	-3,222.87
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	243.02	344.37	-4,024.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	2.61	3.69	-43.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	10.28	14.58	-170.26
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	1.18	1.67	-19.46
Hazelwood, PA	SO _x	Maintenance	100	-	9.38	13.29	-155.37
Hickory, NC	PM _{2.5}	Nonattainment	100	-	40.13	56.87	-664.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	67.41	95.54	-1,115.93
Hollis Township, IL	SO _x	Maintenance	100	-	0.53	0.75	-8.75

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**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1,226.79	1,662.55	-21,295.27
Humphreys County, TN	SO _x	Maintenance	100	-	0.65	0.92	-10.77
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.47	-44.49	-349.46
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-39.01	-90.59	189.11
Huron County, MI	Ozone	Maintenance	100	-	6.45	9.14	-106.81
Imperial County, CA	Ozone	Moderate	50	-	57.73	81.83	-955.78
Imperial Valley, CA	PM ₁₀	Serious	70	-	56.52	80.11	-935.74
Indian Wells, CA	PM ₁₀	Maintenance	100	-	7.66	10.85	-126.77
Indianapolis, IN	CO	Maintenance	100	-	0.20	0.29	-3.34
Indianapolis, IN	Ozone	Maintenance	100	-	492.70	698.33	-8,156.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	391.41	554.76	-6,479.83
Jackson County, IN	Ozone	Maintenance	100	-	18.40	26.08	-304.61
Jamestown, NY	Ozone	Former Subpart 1	50	-	36.02	51.05	-596.25
Jefferson County, NY	Ozone	Moderate	50	-	29.01	41.12	-480.24
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.61	2.28	-26.60
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	49.56	70.25	-820.52
Johnstown, PA	Ozone	Maintenance	100	-	20.54	29.11	-340.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	22.61	32.04	-374.28
Juneau, AK	PM ₁₀	Moderate	100	-	2.95	4.18	-48.85
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	117.31	166.26	-1,942.04
Kalispell, MT	PM ₁₀	Moderate	100	-	7.59	10.75	-125.62
Kansas City, MO-KS	Ozone	Maintenance	100	-	410.41	581.38	-6,798.42
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	35.58	50.43	-589.03
Kent, WA	PM ₁₀	Maintenance	100	-	6.52	9.24	-107.94
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	19.46	27.58	-322.20
Kewaunee County, WI	Ozone	Maintenance	100	-	5.66	8.02	-93.64
King County, WA	PM ₁₀	Maintenance	100	-	2.58	3.66	-42.70
Klamath Falls, OR	CO	Maintenance	100	-	11.33	16.06	-187.61

Appendix B

Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	11.33	16.06	-187.61
Knoxville, TN	Ozone	Former Subpart 1	50	-	302.49	428.73	-5,007.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	230.69	326.97	-3,819.15
La Porte County, IN	SO _x	Maintenance	100	-	7.69	10.89	-127.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	3.53	5.00	-58.43
Lake County, IN	SO _x	Maintenance	100	-	68.04	96.34	-1,127.73
Lake County, OH	SO _x	Maintenance	100	-	8.23	11.67	-136.29
Lake County, OR	PM ₁₀	Maintenance	100	-	1.36	1.93	-22.56
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	8.65	12.26	-143.21
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	18.96	26.88	-313.96
Lake Tahoe, NV	CO	Maintenance	100	-	4.78	6.78	-79.15
Lamar, CO	PM ₁₀	Maintenance	100	-	2.02	2.86	-33.41
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.30	0.43	-5.03
Lancaster, PA	Ozone	Maintenance	100	-	108.79	154.16	-1,801.65
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	108.79	154.16	-1,801.65
Lane County, OR	PM ₁₀	Moderate	100	-	0.30	0.43	-5.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	113.02	160.18	-1,871.01
LaPorte, IN	Ozone	Maintenance	100	-	21.42	30.36	-354.56
Las Vegas, NV	CO	Serious	100	-	398.69	565.07	-6,600.32
Las Vegas, NV	Ozone	Former Subpart 1	50	-	403.61	572.05	-6,681.79
Lauderdale County, AL	SO _x	Maintenance	100	-	19.77	28.02	-327.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.40	0.57	-6.62
Libby, MT	PM ₁₀	Moderate	100	-	0.96	1.35	-15.82
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.27	1.81	-21.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	2.90	4.12	-48.10
Lima, OH	Ozone	Maintenance	100	-	11.10	9.23	-267.98
Longmont, CO	CO	Maintenance	100	-	23.96	33.96	-396.71
Lorain County, OH	SO _x	Maintenance	100	-	10.90	15.46	-180.53

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3,710.59	5,203.33	-62,150.91
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3,710.59	5,203.33	-62,150.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3,710.59	5,203.33	-62,150.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3,710.62	5,203.38	-62,151.49
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3,710.41	5,203.08	-62,147.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	175.10	248.17	-2,898.75
Louisville, KY-IN	Ozone	Maintenance	100	-	261.74	370.98	-4,333.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	250.96	355.70	-4,154.70
Lowell, MA	CO	Maintenance	100	-	28.12	39.86	-465.60
Lucas County, OH	SO _x	Maintenance	100	-	66.47	94.20	-1,100.35
Lyons Township, IL	PM ₁₀	Maintenance	100	-	13.88	19.67	-229.81
Macon, GA	Ozone	Maintenance	100	-	46.06	65.28	-762.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	45.51	64.51	-753.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.63	0.90	-10.47
Madison, WI	SO _x	Maintenance	100	-	63.75	90.35	-1,055.31
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	2.90	4.10	-47.93
Manchester, NH	CO	Maintenance	100	-	17.00	24.09	-281.43
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	23.12	32.77	-382.82
Marion County, IN	SO _x	Maintenance	100	-	70.36	99.73	-1,164.87
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	31.16	44.16	-515.80
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	75.94	107.63	-1,257.19
Mason County, MI	Ozone	Maintenance	100	-	6.36	9.01	-105.23
Medford, OR	CO	Maintenance	100	-	20.64	29.25	-341.63
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	49.50	70.15	-819.43
Memphis, TN-AR	Ozone	Maintenance	100	-	218.30	306.33	-3,653.82
Memphis, TN	CO	Maintenance	100	-	201.17	282.05	-3,370.14
Miami (Gila County), AZ	SO _x	Maintenance	100	-	7.66	10.86	-126.82

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.13	1.60	-18.70
Milwaukee, WI	SO _x	Maintenance	100	-	119.76	169.73	-1,982.57
Milwaukee-Racine, WI	Ozone	Moderate	50	-	427.66	606.14	-7,079.99
Minneapolis-St Paul, MN	CO	Maintenance	100	-	541.08	688.17	-9,975.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	686.52	972.74	-11,369.22
Missoula, MT	CO	Maintenance	100	-	14.69	20.68	-245.11
Missoula, MT	PM ₁₀	Moderate	100	-	14.22	20.02	-237.29
Modesto, CA	CO	Maintenance	100	-	83.53	118.39	-1,382.82
Mohave County, AZ	PM ₁₀	Maintenance	100	-	28.33	40.15	-468.98
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.40	0.57	-6.70
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.76	1.07	-12.54
Morristown, NJ	CO	Maintenance	100	-	8.65	12.26	-143.19
Muhlenberg County, KY	SO _x	Maintenance	100	-	6.47	9.17	-107.15
Muncie, IN	Ozone	Maintenance	100	-	24.65	34.94	-408.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	1.15	1.63	-19.02
Muscatine County, IA	SO _x	Maintenance	100	-	3.65	5.17	-60.43
Muskegon, MI	Ozone	Maintenance	100	-	30.95	43.87	-512.54
Nashua, NH	CO	Maintenance	100	-	13.69	19.40	-226.64
Nashville, TN	Ozone	Former Subpart 1	50	-	406.50	576.05	-6,730.97
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	41.33	58.57	-684.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	35.74	50.66	-591.73
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	180.42	255.71	-2,986.82
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.32	1.87	-21.80
New York County, NY	PM ₁₀	Moderate	100	-	100.75	142.80	-1,667.98
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,815.99	2,570.80	-30,103.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3,509.15	4,969.04	-58,153.74
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3,477.92	4,924.78	-57,636.82
Nogales, AZ	PM ₁₀	Moderate	100	-	10.04	14.23	-166.20

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-124.52	-410.58	-965.61
Ogden, UT	CO	Maintenance	100	-	16.19	22.94	-267.96
Ogden, UT	PM ₁₀	Moderate	100	-	16.19	22.94	-267.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.49	0.69	-8.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	4.61	6.53	-76.30
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	27.68	39.23	-458.18
Owens Valley, CA	PM ₁₀	Serious	70	-	1.08	1.53	-17.87
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.76
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	33.02	46.79	-546.59
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	33.25	47.12	-550.43
Payson, AZ	PM ₁₀	Maintenance	100	-	4.93	6.98	-81.56
Penns Grove, NJ	CO	Maintenance	100	-	0.11	0.16	-1.83
Peoria, IL	SO _x	Maintenance	100	-	22.46	31.83	-372.03
Perth Amboy, NJ	CO	Maintenance	100	-	17.91	23.89	-315.78
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	85.03	120.51	-1,407.67
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	942.52	1,292.00	-16,170.61
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,437.39	1,993.36	-24,363.74
Phoenix, AZ	CO	Maintenance	100	-	1,349.96	1,913.26	-22,349.94
Phoenix, AZ	PM ₁₀	Serious	70	-	1,387.01	1,965.77	-22,963.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1,390.98	1,971.39	-23,028.97
Pierce County, WA	PM ₁₀	Maintenance	100	-	2.38	3.38	-39.47
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.25	0.36	-4.17
Pittsburgh, PA	CO	Maintenance	100	-	6.25	8.85	-103.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	457.73	648.68	-7,578.84
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	417.97	592.32	-6,920.46
Polk County, TN	SO _x	Maintenance	100	-	4.86	6.89	-80.53
Polson, MT	PM ₁₀	Moderate	100	-	0.78	1.10	-12.88
Portland, ME	Ozone	Maintenance	100	-	133.15	188.47	-2,207.51

Appendix B

Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	272.06	385.37	-4,506.92
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	10.07	14.27	-166.71
Poughkeepsie, NY	Ozone	Moderate	50	-	354.05	501.81	-5,861.38
Presque Isle, ME	PM ₁₀	Maintenance	100	-	2.02	2.87	-33.51
Providence (entire State), RI	Ozone	Moderate	50	-	238.55	337.79	-3,953.21
Provo, UT	CO	Maintenance	100	-	42.33	59.99	-700.71
Raleigh-Durham, NC	CO	Maintenance	100	-	332.12	470.67	-5,499.06
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	451.44	639.78	-7,474.31
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.42	0.59	-6.89
Reading, PA	Ozone	Maintenance	100	-	78.15	110.77	-1,293.84
Reading, PA	PM _{2.5}	Nonattainment	100	-	78.15	110.77	-1,293.84
Reno, NV	CO	Maintenance	100	-	58.23	82.54	-964.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.27	0.39	-4.55
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	289.42	410.13	-4,792.36
Rillito, AZ	PM ₁₀	Moderate	100	-	13.11	18.59	-217.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	177.15	251.08	-2,932.78
Roanoke, VA	Ozone	Former Subpart 1	50	-	60.07	85.14	-994.48
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	19.68	27.90	-325.87
Rochester, NY	Ozone	Former Subpart 1	50	-	314.66	445.98	-5,209.19
Rocky Mount, NC	Ozone	Maintenance	100	-	42.35	60.03	-701.14
Rome, GA	PM _{2.5}	Nonattainment	100	-	27.95	39.62	-462.76
Ronan, MT	PM ₁₀	Moderate	100	-	0.30	0.42	-4.92
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.57	0.81	-9.45
Sacramento County, CA	PM ₁₀	Moderate	100	-	404.69	573.58	-6,699.71
Sacramento Metro, CA	Ozone	Severe	25	-	741.47	1,050.51	-12,280.30
Sacramento, CA	CO	Maintenance	100	-	454.80	644.56	-7,529.88
Salem, OR	CO	Maintenance	100	-	30.40	43.09	-503.28
Salt Lake City, UT	CO	Maintenance	100	-	50.33	70.44	-844.78

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	249.46	352.68	-4,141.42
Salt Lake County, UT	SO _x	Nonattainment	100	-	251.35	356.24	-4,161.10
San Antonio, TX	Ozone	Former Subpart 1	50	-	459.94	651.80	-7,615.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	108.71	154.07	-1,799.65
San Diego, CA	CO	Maintenance	100	-	1,100.04	1,559.12	-18,211.21
San Diego, CA	Ozone	Former Subpart 1	50	-	1,102.14	1,562.09	-18,245.98
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,601.57	2,257.58	-26,674.45
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,808.88	2,551.40	-30,106.48
San Joaquin Valley, CA	Ozone	Extreme	10	-	1,217.79	1,725.41	-20,168.48
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1,221.51	1,730.68	-20,230.03
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1,217.79	1,725.41	-20,168.48
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	8.78	12.44	-145.36
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.16	0.23	-2.66
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	157.34	223.00	-2,604.77
Seattle-Tacoma, WA	CO	Maintenance	100	-	744.83	1,055.67	-12,330.67
Sheboygan, WI	Ozone	Moderate	50	-	28.94	41.02	-479.18
Sheridan, WY	PM ₁₀	Moderate	100	-	5.04	7.15	-83.52
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.01	-0.06
Somerville, NJ	CO	Maintenance	100	-	4.26	6.04	-70.57
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	106.31	150.66	-1,760.19
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	35.15	49.81	-581.89
Spokane County, WA	PM ₁₀	Maintenance	100	-	73.67	104.41	-1,219.58
Spokane, WA	CO	Maintenance	100	-	72.85	103.26	-1,206.09
Springfield (western MA), MA	Ozone	Moderate	50	-	209.65	297.01	-3,472.50
Springfield, MA	CO	Maintenance	100	-	34.89	49.40	-578.31
St. Louis, MO	CO	Maintenance	100	-	193.22	273.86	-3,198.76
St. Louis, MO-IL	Ozone	Moderate	50	-	646.67	903.78	-10,870.60
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	642.22	897.48	-10,796.92

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	42.66	60.46	-706.23
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	5.14	7.29	-85.13
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	9.26	13.13	-153.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	19.35	26.75	-329.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	19.35	26.75	-329.00
Stockton, CA	CO	Maintenance	100	-	126.16	178.81	-2,088.56
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	117.15	166.04	-1,939.38
Telluride, CO	PM ₁₀	Maintenance	100	-	0.45	0.64	-7.50
Terre Haute, IN	Ozone	Maintenance	100	-	28.33	40.15	-468.97
Tioga County, PA	Ozone	Maintenance	100	-	12.50	17.72	-206.99
Toledo, OH	Ozone	Maintenance	100	-	84.75	101.20	-1,647.81
Toms River, NJ	CO	Maintenance	100	-	25.90	36.71	-428.83
Tooele County, UT	SO _x	Nonattainment	100	-	24.67	34.97	-408.43
Trenton, NJ	CO	Maintenance	100	-	21.21	30.07	-351.19
Trona, CA	PM ₁₀	Moderate	100	-	0.85	1.20	-14.04
Tucson, AZ	CO	Maintenance	100	-	251.69	356.73	-4,166.77
Utah County, UT	PM ₁₀	Moderate	100	-	122.84	174.10	-2,033.57
Vancouver, WA	CO	Maintenance	100	-	81.78	115.90	-1,353.80
Ventura County, CA	Ozone	Serious	50	-	223.46	316.41	-3,703.48
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.58	2.24	-26.11
Vigo County, IN	SO _x	Maintenance	100	-	28.33	40.15	-468.97
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	13.19	18.70	-218.40
Warren County, NJ	SO _x	Maintenance	100	-	8.64	12.25	-143.03
Warren County, PA	SO _x	Nonattainment	100	-	3.07	4.33	-51.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	49.57	70.26	-820.62
Washington, DC-MD-VA	CO	Maintenance	100	-	378.35	536.25	-6,263.59

Appendix B

**Table B.1-135
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,354.14	1,919.26	-22,417.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,324.16	1,876.77	-21,921.56
Washoe County, NV	PM ₁₀	Serious	70	-	58.23	82.54	-964.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.94	1.33	-15.52
Wayne County, IN	SO _x	Maintenance	100	-	15.26	21.62	-252.56
Wayne County, MI	PM ₁₀	Maintenance	100	-	17.00	22.69	-299.43
Weirton, WV	PM ₁₀	Maintenance	100	-	1.92	2.72	-31.78
Weirton, WV	SO _x	Maintenance	100	-	2.56	3.63	-42.40
Wheeling, WV-OH	Ozone	Maintenance	100	-	31.91	45.22	-528.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	31.91	45.22	-528.24
Winston-Salem, NC	CO	Maintenance	100	-	98.50	139.60	-1,630.60
Worcester, MA	CO	Maintenance	100	-	55.20	78.23	-913.80
Yakima County, WA	PM ₁₀	Maintenance	100	-	22.54	31.95	-373.17
Yakima, WA	CO	Maintenance	100	-	10.16	14.40	-168.15
York, PA	Ozone	Maintenance	100	-	109.21	154.79	-1,807.97
York, PA	PM _{2.5}	Nonattainment	100	-	84.68	120.02	-1,401.85
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	139.76	198.08	-2,313.69
Yuma, AZ	PM ₁₀	Moderate	100	-	48.10	68.18	-796.35

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.26	-9.50
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.66	-24.33
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.69	-25.23
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	3.06	203.95	-7,471.34
Albuquerque, NM	CO	Maintenance	100	-	1.37	91.70	-3,359.47
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.38	25.85	-947.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.43	93.66	-3,430.05
Altoona, PA	Ozone	Maintenance	100	-	0.21	13.88	-508.65
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.55	36.89	-1,351.62
Anchorage, AK	CO	Maintenance	100	-	0.37	24.84	-910.18
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	1.13	-41.30
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.78	-28.47
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	1.21	-44.45
Atlanta, GA	Ozone	Moderate	50	-	17.27	1,154.50	-42,294.27
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	17.27	1,154.86	-42,307.77
Atlantic City, NJ	CO	Maintenance	100	-	0.11	7.54	-276.37
Bakersfield, CA	CO	Maintenance	100	-	1.47	77.62	-2,832.21
Baltimore, MD	CO	Maintenance	100	-	0.03	1.47	-53.72
Baltimore, MD	Ozone	Moderate	50	-	7.57	497.49	-18,220.48
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	7.57	497.48	-18,220.21
Baton Rouge, LA	Ozone	Moderate	50	-	35.31	97.40	-2,338.86
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	29.72	44.05	-558.36
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.16	-5.71
Benton Harbor, MI	Ozone	Maintenance	100	-	0.36	23.59	-864.15
Benzie County, MI	Ozone	Maintenance	100	-	0.07	4.46	-163.32
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.37	24.60	-901.36
Billings, MT	CO	Maintenance	100	-	5.95	8.64	-105.12
Birmingham, AL	Ozone	Maintenance	100	-	2.47	149.44	-5,466.23

Appendix B

Table B.1-136							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	2.48	149.99	-5,486.44
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.90	55.55	-2,032.65
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.90	55.55	-2,032.65
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.05	3.25	-118.92
Boston, MA	CO	Maintenance	100	-	1.95	130.76	-4,790.47
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	12.07	811.02	-29,713.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.61	108.27	-3,966.84
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	1.37	-50.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.57	172.89	-6,334.02
Burlington, NJ	CO	Maintenance	100	-	0.01	0.72	-26.35
Butte, MT	PM ₁₀	Moderate	100	-	0.04	2.59	-94.93
Canon City, CO	PM ₁₀	Maintenance	100	-	0.06	3.72	-136.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	2.08	41.34	-1,461.29
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	2.08	41.34	-1,461.29
Case County, MI	Ozone	Maintenance	100	-	0.10	6.47	-237.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.13	-4.77
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.76	-27.74
Charleston, WV	Ozone	Maintenance	100	-	0.55	36.98	-1,354.68
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.55	36.98	-1,354.68
Charlotte, NC	CO	Maintenance	100	-	1.92	128.65	-4,713.27
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	4.19	281.13	-10,299.87
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.22	81.82	-2,997.69
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.13	75.80	-2,777.07
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	60.97	1,140.53	-40,188.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	61.55	1,179.70	-41,623.16
Chico, CA	CO	Maintenance	100	-	0.35	23.83	-872.94
Chico, CA	Ozone	Former Subpart 1	50	-	0.74	49.92	-1,828.75
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	4.65	312.18	-11,437.50

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	4.50	302.10	-11,067.97
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	1.59	-58.29
Clark County, NV	PM ₁₀	Serious	70	-	4.25	285.69	-10,466.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.66	44.17	-1,618.22
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.40	26.92	-986.32
Cleveland, OH	CO	Maintenance	100	-	1.81	121.49	-4,450.91
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	5.68	381.26	-13,968.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	5.19	348.64	-12,773.11
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.95	130.73	-4,789.42
Colbert County, AL	SO _x	Maintenance	100	-	0.11	7.66	-280.47
Colorado Springs, CO	CO	Maintenance	100	-	1.83	106.17	-3,880.59
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	1.02	-37.31
Columbia, SC	Ozone	Former Subpart 1	50	-	1.54	103.49	-3,791.64
Columbus, OH	Ozone	Maintenance	100	-	4.37	293.36	-10,747.67
Columbus, OH	PM _{2.5}	Nonattainment	100	-	4.07	273.22	-10,009.86
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.01	0.35	-12.77
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.04	-1.29
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.81	121.49	-4,450.93
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.56	104.75	-3,837.58
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	18.90	1,257.97	-46,081.97
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.78	119.35	-4,372.74
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.56	104.81	-3,839.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	11.10	524.66	-19,102.83
Denver-Boulder, CO	CO	Maintenance	100	-	10.75	501.34	-18,248.43
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	12.72	633.64	-23,095.28
Detroit, MI	CO	Maintenance	100	-	4.19	188.79	-6,866.68
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	12.42	720.31	-26,328.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	12.22	706.76	-25,832.08

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.09	6.25	-229.16
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.08	5.17	-189.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.06	4.26	-156.19
Duluth, MN	CO	Maintenance	100	-	0.17	11.33	-415.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	1.60	-58.56
East Chicago, IN	CO	Maintenance	100	-	0.00	0.14	-5.11
East Chicago, IN	PM ₁₀	Maintenance	100	-	22.65	19.09	112.91
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.16	-5.79
El Paso County, TX	PM ₁₀	Moderate	100	-	2.94	79.38	-2,844.24
El Paso, TX	CO	Maintenance	100	-	0.07	4.77	-174.60
Erie, PA	Ozone	Maintenance	100	-	0.49	32.84	-1,203.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.29	-10.74
Eugene-Springfield, OR	CO	Maintenance	100	-	0.57	38.17	-1,398.51
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.55	36.68	-1,343.76
Evansville, IN	Ozone	Maintenance	100	-	0.57	38.58	-1,413.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.72	48.69	-1,784.03
Fairbanks, AK	CO	Maintenance	100	-	0.05	3.11	-114.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.69	46.20	-1,692.75
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	1.32	-48.37
Flint, MI	Ozone	Maintenance	100	-	1.15	76.94	-2,818.97
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.10	-3.66
Fort Collins, CO	CO	Maintenance	100	-	0.48	32.39	-1,186.49
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.08	-3.11
Fort Wayne, IN	Ozone	Maintenance	100	-	0.85	57.36	-2,101.64
Franklin County, PA	Ozone	Maintenance	100	-	0.37	24.93	-913.26
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.11	-3.92
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.31	20.69	-757.98
Fredericksburg, VA	Ozone	Maintenance	100	-	1.16	77.68	-2,845.90

Appendix B

Table B.1-136							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.05	3.59	-131.52
Fresno, CA	CO	Maintenance	100	-	1.58	103.96	-3,807.59
Grand Rapids, MI	Ozone	Maintenance	100	-	2.04	137.34	-5,031.62
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.08	5.31	-194.68
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.34	-12.36
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.08	-3.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.09	6.11	-223.79
Great Falls, MT	CO	Maintenance	100	-	0.04	2.36	-86.56
Greater Connecticut, CT	Ozone	Moderate	50	-	3.68	244.27	-8,947.63
Greeley, CO	CO	Maintenance	100	-	0.32	21.17	-775.67
Green Bay, WI	SO _x	Maintenance	100	-	0.29	19.68	-720.84
Greene County, IN	Ozone	Maintenance	100	-	0.11	7.57	-277.43
Greene County, PA	Ozone	Maintenance	100	-	0.10	6.60	-241.95
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3.74	247.68	-9,072.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.84	120.22	-4,402.60
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.01	130.96	-4,795.98
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.05	3.42	-125.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.27	18.15	-664.94
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.15	143.14	-5,243.62
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.98	131.88	-4,830.83
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.34	153.88	-5,635.95
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	1.84	-67.51
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.11	7.35	-269.45
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.78	-28.66
Hazelwood, PA	SO _x	Maintenance	100	-	0.10	6.28	-229.94
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.37	25.11	-920.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.64	43.01	-1,575.61
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.32	-11.80

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Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	61.31	917.80	-31,895.30
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.43	-15.81
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	22.57	32.18	-376.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	22.26	11.08	396.11
Huron County, MI	Ozone	Maintenance	100	-	0.06	4.07	-148.94
Imperial County, CA	Ozone	Moderate	50	-	0.61	41.13	-1,507.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.60	40.31	-1,476.73
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.07	4.80	-175.95
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.11	-4.04
Indianapolis, IN	Ozone	Maintenance	100	-	4.96	332.94	-12,197.97
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3.94	264.99	-9,708.28
Jackson County, IN	Ozone	Maintenance	100	-	0.18	11.84	-433.95
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.34	23.17	-848.86
Jefferson County, NY	Ozone	Moderate	50	-	0.28	18.86	-690.84
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.90	-32.94
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.47	31.47	-1,152.96
Johnstown, PA	Ozone	Maintenance	100	-	0.17	11.51	-421.86
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.19	12.68	-464.61
Juneau, AK	PM ₁₀	Moderate	100	-	0.03	2.19	-80.21
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.13	75.59	-2,769.51
Kalispell, MT	PM ₁₀	Moderate	100	-	0.08	5.33	-195.23
Kansas City, MO-KS	Ozone	Maintenance	100	-	4.33	278.45	-10,194.74
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.36	24.21	-887.16
Kent, WA	PM ₁₀	Maintenance	100	-	0.07	4.65	-170.37
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.19	12.56	-460.32
Kewaunee County, WI	Ozone	Maintenance	100	-	0.05	3.60	-131.99
King County, WA	PM ₁₀	Maintenance	100	-	0.03	1.78	-65.31
Klamath Falls, OR	CO	Maintenance	100	-	0.11	7.22	-264.36

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.11	7.22	-264.36
Knoxville, TN	Ozone	Former Subpart 1	50	-	3.13	210.07	-7,696.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.36	158.39	-5,803.06
La Porte County, IN	SO _x	Maintenance	100	-	0.07	4.73	-173.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.03	2.31	-84.56
Lake County, IN	SO _x	Maintenance	100	-	0.69	42.38	-1,550.67
Lake County, OH	SO _x	Maintenance	100	-	0.08	5.27	-193.24
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.85	-31.28
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.10	6.66	-243.87
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.23	15.15	-555.15
Lake Tahoe, NV	CO	Maintenance	100	-	0.05	3.05	-111.63
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	1.30	-47.62
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.18	-6.48
Lancaster, PA	Ozone	Maintenance	100	-	1.10	72.54	-2,656.73
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.10	72.54	-2,656.73
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.17	-6.20
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.10	74.07	-2,713.78
LaPorte, IN	Ozone	Maintenance	100	-	0.20	13.12	-480.66
Las Vegas, NV	CO	Serious	100	-	4.25	285.69	-10,466.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	4.30	288.65	-10,575.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.18	12.36	-452.71
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.26	-9.40
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.58	-21.24
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.77	-28.33
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	1.59	-58.28
Lima, OH	Ozone	Maintenance	100	-	4.28	13.86	-359.82
Longmont, CO	CO	Maintenance	100	-	0.26	17.23	-631.37
Lorain County, OH	SO _x	Maintenance	100	-	0.11	7.18	-263.17

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	73.80	2,611.84	-94,422.01
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	73.80	2,611.84	-94,421.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	73.80	2,611.84	-94,421.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	73.80	2,611.86	-94,422.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	73.80	2,611.73	-94,417.79
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.81	121.28	-4,443.19
Louisville, KY-IN	Ozone	Maintenance	100	-	2.51	168.32	-6,166.78
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.38	160.04	-5,863.44
Lowell, MA	CO	Maintenance	100	-	0.29	19.48	-713.57
Lucas County, OH	SO _x	Maintenance	100	-	0.61	41.05	-1,503.87
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.13	8.59	-314.55
Macon, GA	Ozone	Maintenance	100	-	0.42	28.14	-1,031.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.41	27.78	-1,017.62
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.38	-14.05
Madison, WI	SO _x	Maintenance	100	-	0.67	45.17	-1,654.76
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.04	2.36	-86.52
Manchester, NH	CO	Maintenance	100	-	0.15	10.04	-367.94
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.22	14.66	-536.92
Marion County, IN	SO _x	Maintenance	100	-	0.65	43.93	-1,609.56
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.34	22.97	-841.51
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.74	49.98	-1,830.95
Mason County, MI	Ozone	Maintenance	100	-	0.06	4.23	-154.91
Medford, OR	CO	Maintenance	100	-	0.22	14.81	-542.72
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.53	35.74	-1,309.42
Memphis, TN-AR	Ozone	Maintenance	100	-	4.01	139.77	-5,050.91
Memphis, TN	CO	Maintenance	100	-	3.85	129.60	-4,678.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.08	5.42	-198.70

Appendix B

Table B.1-136							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.66	-24.26
Milwaukee, WI	SO _x	Maintenance	100	-	1.13	76.02	-2,785.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	4.22	283.57	-10,389.25
Minneapolis-St Paul, MN	CO	Maintenance	100	-	56.01	454.35	-14,857.80
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	7.08	463.34	-16,968.96
Missoula, MT	CO	Maintenance	100	-	0.23	10.02	-364.17
Missoula, MT	PM ₁₀	Moderate	100	-	0.23	9.70	-352.29
Modesto, CA	CO	Maintenance	100	-	0.89	60.03	-2,199.44
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.31	20.78	-761.20
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.30	-10.86
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.48	-17.45
Morristown, NJ	CO	Maintenance	100	-	0.09	6.37	-233.23
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.06	4.01	-146.95
Muncie, IN	Ozone	Maintenance	100	-	0.22	14.57	-533.93
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.91	-33.51
Muscatine County, IA	SO _x	Maintenance	100	-	0.04	2.46	-90.16
Muskegon, MI	Ozone	Maintenance	100	-	0.31	20.46	-749.59
Nashua, NH	CO	Maintenance	100	-	0.12	8.20	-300.48
Nashville, TN	Ozone	Former Subpart 1	50	-	4.18	277.16	-10,152.23
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.47	31.60	-1,157.83
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.38	25.66	-940.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.71	114.76	-4,204.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.85	-31.08
New York County, NY	PM ₁₀	Moderate	100	-	0.92	61.81	-2,264.44
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	19.42	1,176.18	-43,022.26
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	37.17	2,304.02	-84,307.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	36.86	2,282.74	-83,528.31
Nogales, AZ	PM ₁₀	Moderate	100	-	0.10	6.78	-248.44

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	149.01	172.25	-992.79
Ogden, UT	CO	Maintenance	100	-	0.15	10.34	-378.96
Ogden, UT	PM ₁₀	Moderate	100	-	0.15	10.34	-378.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.26	-9.66
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.04	2.73	-100.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.29	19.40	-710.62
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.92	-33.71
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.03	-1.28
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.31	20.87	-764.72
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.31	21.03	-770.64
Payson, AZ	PM ₁₀	Maintenance	100	-	0.05	3.38	-123.97
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.07	-2.62
Peoria, IL	SO _x	Maintenance	100	-	0.22	14.07	-515.30
Perth Amboy, NJ	CO	Maintenance	100	-	1.16	15.30	-526.76
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.77	51.48	-1,886.06
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	37.20	656.37	-23,051.40
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	42.07	981.80	-34,973.26
Phoenix, AZ	CO	Maintenance	100	-	15.22	1,019.22	-37,339.28
Phoenix, AZ	PM ₁₀	Serious	70	-	15.61	1,045.14	-38,288.81
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	15.65	1,047.68	-38,382.05
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	1.42	-51.84
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.13	-4.83
Pittsburgh, PA	CO	Maintenance	100	-	0.08	5.02	-184.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	4.37	290.54	-10,642.82
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	4.00	265.27	-9,717.00
Polk County, TN	SO _x	Maintenance	100	-	0.05	3.13	-114.54
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.57	-20.94
Portland, ME	Ozone	Maintenance	100	-	1.46	87.75	-3,209.55

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	2.78	177.36	-6,492.63
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.10	6.39	-234.12
Poughkeepsie, NY	Ozone	Moderate	50	-	3.71	249.48	-9,140.34
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	1.24	-45.29
Providence (entire State), RI	Ozone	Moderate	50	-	2.58	160.12	-5,859.12
Provo, UT	CO	Maintenance	100	-	0.44	29.81	-1,092.23
Raleigh-Durham, NC	CO	Maintenance	100	-	3.47	230.93	-8,459.30
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	4.69	313.07	-11,468.83
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.25	-8.99
Reading, PA	Ozone	Maintenance	100	-	0.76	50.79	-1,860.63
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.76	50.79	-1,860.63
Reno, NV	CO	Maintenance	100	-	0.57	38.33	-1,404.35
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.23	-8.40
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.87	189.49	-6,940.67
Rillito, AZ	PM ₁₀	Moderate	100	-	0.14	9.54	-349.40
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.95	130.73	-4,789.42
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.57	38.21	-1,399.73
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.20	13.23	-484.66
Rochester, NY	Ozone	Former Subpart 1	50	-	3.05	204.87	-7,505.84
Rocky Mount, NC	Ozone	Maintenance	100	-	0.40	26.82	-982.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.27	18.04	-660.84
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.21	-7.86
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.36	-13.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	4.38	294.06	-10,773.30
Sacramento Metro, CA	Ozone	Severe	25	-	8.35	545.52	-19,977.61
Sacramento, CA	CO	Maintenance	100	-	4.95	330.94	-12,123.78
Salem, OR	CO	Maintenance	100	-	0.29	19.51	-714.90
Salt Lake City, UT	CO	Maintenance	100	-	1.08	35.07	-1,264.68

Appendix B

Table B.1-136							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	3.07	168.70	-6,160.41
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.52	168.96	-6,190.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	4.71	312.88	-11,461.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.10	73.70	-2,700.00
San Diego, CA	CO	Maintenance	100	-	11.72	787.09	-28,836.70
San Diego, CA	Ozone	Former Subpart 1	50	-	11.74	788.65	-28,893.56
San Francisco Bay Area, CA	Ozone	Marginal	50	-	24.53	1,127.18	-41,015.07
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	26.58	1,264.73	-46,054.27
San Joaquin Valley, CA	Ozone	Extreme	10	-	13.47	879.79	-32,219.27
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	13.50	881.71	-32,289.66
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	13.47	879.79	-32,219.27
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.09	6.20	-227.20
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.10	-3.80
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.53	102.45	-3,753.33
Seattle-Tacoma, WA	CO	Maintenance	100	-	7.57	508.80	-18,641.04
Sheboygan, WI	Ozone	Moderate	50	-	0.29	19.43	-711.77
Sheridan, WY	PM ₁₀	Moderate	100	-	0.05	3.23	-118.36
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.07
Somerville, NJ	CO	Maintenance	100	-	0.04	2.87	-105.06
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.04	69.28	-2,538.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.28	18.51	-678.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.75	50.11	-1,835.86
Spokane, WA	CO	Maintenance	100	-	0.74	49.52	-1,814.13
Springfield (western MA), MA	Ozone	Moderate	50	-	2.12	136.68	-5,004.45
Springfield, MA	CO	Maintenance	100	-	0.39	24.02	-878.71
St. Louis, MO	CO	Maintenance	100	-	1.69	113.22	-4,148.17
St. Louis, MO-IL	Ozone	Moderate	50	-	14.26	422.18	-15,177.59
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	14.22	419.35	-15,074.09

Appendix B

Table B.1-136							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.44	29.23	-1,070.76
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.06	3.83	-140.39
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.08	5.58	-204.39
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.60	12.29	-435.17
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.60	12.29	-435.17
Stockton, CA	CO	Maintenance	100	-	1.39	93.27	-3,417.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	1.11	74.23	-2,719.48
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.37	-13.48
Terre Haute, IN	Ozone	Maintenance	100	-	0.25	16.95	-620.81
Tioga County, PA	Ozone	Maintenance	100	-	0.11	7.71	-282.45
Toledo, OH	Ozone	Maintenance	100	-	12.93	73.21	-2,252.15
Toms River, NJ	CO	Maintenance	100	-	0.28	18.64	-682.78
Tooele County, UT	SO _x	Nonattainment	100	-	0.25	16.61	-608.69
Trenton, NJ	CO	Maintenance	100	-	0.21	14.20	-520.12
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.62	-22.57
Tucson, AZ	CO	Maintenance	100	-	2.59	174.28	-6,385.17
Utah County, UT	PM ₁₀	Moderate	100	-	1.27	85.08	-3,117.09
Vancouver, WA	CO	Maintenance	100	-	0.86	58.03	-2,126.00
Ventura County, CA	Ozone	Serious	50	-	2.59	161.09	-5,894.64
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.96	-35.05
Vigo County, IN	SO _x	Maintenance	100	-	0.25	16.95	-620.81
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	0.13	8.58	-314.17
Warren County, NJ	SO _x	Maintenance	100	-	0.09	5.74	-210.46
Warren County, PA	SO _x	Nonattainment	100	-	0.04	1.84	-66.85
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.48	32.04	-1,173.76
Washington, DC-MD-VA	CO	Maintenance	100	-	3.87	259.79	-9,517.92

Appendix B

Table B.1-136
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	13.86	930.94	-34,106.68
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	13.54	909.37	-33,316.51
Washoe County, NV	PM ₁₀	Serious	70	-	0.57	38.33	-1,404.35
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.59	-21.70
Wayne County, IN	SO _x	Maintenance	100	-	0.13	9.06	-331.91
Wayne County, MI	PM ₁₀	Maintenance	100	-	1.22	18.84	-656.21
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.94	-34.44
Weirton, WV	SO _x	Maintenance	100	-	0.02	1.33	-48.60
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.28	18.93	-693.51
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.28	18.93	-693.51
Winston-Salem, NC	CO	Maintenance	100	-	0.97	65.23	-2,389.89
Worcester, MA	CO	Maintenance	100	-	0.58	38.82	-1,422.11
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.22	14.98	-548.73
Yakima, WA	CO	Maintenance	100	-	0.11	7.39	-270.81
York, PA	Ozone	Maintenance	100	-	1.10	73.76	-2,702.44
York, PA	PM _{2.5}	Nonattainment	100	-	0.85	57.06	-2,090.38
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.27	85.04	-3,115.53
Yuma, AZ	PM ₁₀	Moderate	100	-	0.50	33.89	-1,241.80

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-137							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.62	4.92	21.38
Albuquerque, NM	CO	Maintenance	100	-	0.80	2.36	10.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.19	0.57	2.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.72	2.24	9.85
Altoona, PA	Ozone	Maintenance	100	-	0.14	0.42	1.78
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.21	0.61	2.61
Anchorage, AK	CO	Maintenance	100	-	0.19	0.55	2.35
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.03	0.13
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.02	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.03	0.12
Atlanta, GA	Ozone	Moderate	50	-	8.79	26.11	111.61
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	8.80	26.12	111.67
Atlantic City, NJ	CO	Maintenance	100	-	0.07	0.21	0.88
Bakersfield, CA	CO	Maintenance	100	-	-2.55	-3.59	-2.29
Baltimore, MD	CO	Maintenance	100	-	0.01	0.03	0.15
Baltimore, MD	Ozone	Moderate	50	-	3.74	11.37	49.51
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	3.74	11.37	49.51
Baton Rouge, LA	Ozone	Moderate	50	-	-91.62	-154.12	-272.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-258.34	-437.30	-788.20
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.24	0.73	3.14
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.09	0.37
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.20	0.58	2.47
Billings, MT	CO	Maintenance	100	-	-30.70	-51.93	-93.36
Birmingham, AL	Ozone	Maintenance	100	-	-1.54	-0.87	8.44

Appendix B

Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.54	-0.86	8.50
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.31	1.07	5.07
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.31	1.07	5.07
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.06	0.27
Boston, MA	CO	Maintenance	100	-	1.16	3.43	14.61
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	6.91	20.40	86.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.87	2.57	10.95
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.04	0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.58	4.66	19.80
Burlington, NJ	CO	Maintenance	100	-	0.01	0.03	0.15
Butte, MT	PM ₁₀	Moderate	100	-	0.03	0.09	0.37
Canon City, CO	PM ₁₀	Maintenance	100	-	0.03	0.08	0.32
Canton-Massillon, OH	Ozone	Maintenance	100	-	-10.06	-16.55	-27.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-10.06	-16.55	-27.06
Case County, MI	Ozone	Maintenance	100	-	0.06	0.18	0.75
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.03	0.11
Charleston, WV	Ozone	Maintenance	100	-	0.39	1.14	4.84
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.39	1.14	4.84
Charlotte, NC	CO	Maintenance	100	-	0.98	2.89	12.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.20	6.49	27.61
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.73	2.18	9.33
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.66	1.97	8.46
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-161.11	-261.22	-404.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-160.78	-260.26	-400.66
Chico, CA	CO	Maintenance	100	-	0.14	0.41	1.73
Chico, CA	Ozone	Former Subpart 1	50	-	0.32	0.95	4.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.67	7.88	33.52

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Table B.1-137							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.60	7.66	32.56
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.24
Clark County, NV	PM ₁₀	Serious	70	-	1.96	5.79	24.60
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.35	1.02	4.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.25	0.73	3.10
Cleveland, OH	CO	Maintenance	100	-	1.31	3.87	16.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.53	10.41	44.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.26	9.62	40.89
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.82	2.42	10.30
Colbert County, AL	SO _x	Maintenance	100	-	0.08	0.25	1.05
Colorado Springs, CO	CO	Maintenance	100	-	0.51	1.84	8.97
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	0.88	2.60	11.07
Columbus, OH	Ozone	Maintenance	100	-	2.24	6.60	28.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.07	6.11	25.99
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.31	3.87	16.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.07	3.15	13.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	8.84	26.54	114.40
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.15	3.40	14.46
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.02	3.01	12.79
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-15.07	-20.59	-8.77
Denver-Boulder, CO	CO	Maintenance	100	-	-15.25	-21.10	-10.92
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-14.27	-18.20	1.41
Detroit, MI	CO	Maintenance	100	-	-17.89	-27.55	-33.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-19.01	-24.34	1.20
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.12	-24.68	-0.27

Appendix B

Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.05	0.15	0.62
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.14	0.61
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.11	0.48
Duluth, MN	CO	Maintenance	100	-	0.11	0.33	1.42
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.03	0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-113.55	-192.15	-346.04
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.12	-18.04	-27.98
El Paso, TX	CO	Maintenance	100	-	0.04	0.12	0.52
Erie, PA	Ozone	Maintenance	100	-	0.31	0.93	3.94
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.31	0.91	3.89
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.30	0.87	3.71
Evansville, IN	Ozone	Maintenance	100	-	0.35	1.02	4.34
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.45	1.31	5.59
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.07	0.29
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.40	1.18	5.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.12
Flint, MI	Ozone	Maintenance	100	-	0.71	2.10	8.93
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.23	0.69	2.91
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.50	1.46	6.21
Franklin County, PA	Ozone	Maintenance	100	-	0.21	0.60	2.57
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.18	0.52	2.22
Fredericksburg, VA	Ozone	Maintenance	100	-	0.54	1.60	6.82

Appendix B

Table B.1-137							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.07	0.28
Fresno, CA	CO	Maintenance	100	-	0.71	2.17	9.55
Grand Rapids, MI	Ozone	Maintenance	100	-	1.09	3.21	13.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.16	0.71
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.01	0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.04	0.13	0.54
Great Falls, MT	CO	Maintenance	100	-	0.03	0.08	0.35
Greater Connecticut, CT	Ozone	Moderate	50	-	2.18	6.52	28.03
Greeley, CO	CO	Maintenance	100	-	0.16	0.49	2.06
Green Bay, WI	SO _x	Maintenance	100	-	0.17	0.49	2.08
Greene County, IN	Ozone	Maintenance	100	-	0.07	0.19	0.83
Greene County, PA	Ozone	Maintenance	100	-	0.06	0.18	0.78
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.12	6.36	27.47
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.00	3.07	13.47
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.13	3.46	15.14
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.09	0.39
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.16	0.46	1.95
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.10	3.30	14.25
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.01	3.04	13.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.39	4.19	18.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.04	0.17
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.05	0.15	0.64
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.02	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.05	0.15	0.67
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.25	0.73	3.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.40	1.19	5.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04

Appendix B

Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-289.06	-480.59	-816.20
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-62.16	-104.86	-186.93
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-62.35	-105.42	-189.30
Huron County, MI	Ozone	Maintenance	100	-	0.04	0.12	0.49
Imperial County, CA	Ozone	Moderate	50	-	0.29	0.85	3.60
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.28	0.83	3.52
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.05	0.14	0.58
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	2.69	7.94	33.76
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.13	6.29	26.74
Jackson County, IN	Ozone	Maintenance	100	-	0.11	0.32	1.36
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.21	0.63	2.66
Jefferson County, NY	Ozone	Moderate	50	-	0.17	0.50	2.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.14
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.30	0.88	3.74
Johnstown, PA	Ozone	Maintenance	100	-	0.14	0.42	1.81
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.46	1.98
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.04	0.18
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.69	2.04	8.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.04	0.11	0.49
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.91	6.04	27.04
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.19	0.57	2.41
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.10	0.41
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.11	0.33	1.41
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.10	0.42
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.07	0.20	0.85

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Table B.1-137							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.07	0.20	0.85
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.58	4.65	19.78
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.23	3.62	15.39
La Porte County, IN	SO _x	Maintenance	100	-	0.05	0.14	0.60
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.02	0.06	0.26
Lake County, IN	SO _x	Maintenance	100	-	0.37	1.15	5.11
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.14	0.61
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.04	0.11	0.46
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	0.23	0.98
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.08	0.34
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.04	0.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.57	1.72	7.50
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.57	1.72	7.50
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.65	1.91	8.13
LaPorte, IN	Ozone	Maintenance	100	-	0.14	0.40	1.70
Las Vegas, NV	CO	Serious	100	-	1.96	5.79	24.60
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.99	5.88	24.99
Lauderdale County, AL	SO _x	Maintenance	100	-	0.12	0.36	1.52
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.24
Lima, OH	Ozone	Maintenance	100	-	-54.15	-91.62	-164.88
Longmont, CO	CO	Maintenance	100	-	0.12	0.35	1.51
Lorain County, OH	SO _x	Maintenance	100	-	0.06	0.18	0.78

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Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-54.63	-67.09	25.07
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-54.63	-67.09	25.07
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-54.63	-67.09	25.07
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-54.63	-67.09	25.07
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-54.63	-67.09	25.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.92	2.71	11.52
Louisville, KY-IN	Ozone	Maintenance	100	-	1.55	4.56	19.37
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.50	4.42	18.80
Lowell, MA	CO	Maintenance	100	-	0.15	0.45	1.91
Lucas County, OH	SO _x	Maintenance	100	-	0.41	1.22	5.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.08	0.25	1.08
Macon, GA	Ozone	Maintenance	100	-	0.29	0.86	3.66
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.29	0.85	3.62
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Madison, WI	SO _x	Maintenance	100	-	0.32	0.95	4.05
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.15
Manchester, NH	CO	Maintenance	100	-	0.11	0.32	1.34
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.14	0.41	1.75
Marion County, IN	SO _x	Maintenance	100	-	0.43	1.27	5.42
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.14	0.43	1.81
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.43	1.28	5.43
Mason County, MI	Ozone	Maintenance	100	-	0.04	0.11	0.45
Medford, OR	CO	Maintenance	100	-	0.10	0.30	1.28
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.24	0.72	3.05
Memphis, TN-AR	Ozone	Maintenance	100	-	-13.41	-21.00	-28.11
Memphis, TN	CO	Maintenance	100	-	-13.52	-21.33	-29.52
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.04	0.11	0.49

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Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.02	0.09
Milwaukee, WI	SO _x	Maintenance	100	-	0.73	2.15	9.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.41	7.11	30.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-47.30	-75.34	-108.59
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.47	10.60	46.31
Missoula, MT	CO	Maintenance	100	-	-0.06	0.00	0.60
Missoula, MT	PM ₁₀	Moderate	100	-	-0.06	0.00	0.58
Modesto, CA	CO	Maintenance	100	-	0.40	1.18	5.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.13	0.40	1.68
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.06
Morristown, NJ	CO	Maintenance	100	-	0.04	0.13	0.54
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.04	0.12	0.50
Muncie, IN	Ozone	Maintenance	100	-	0.16	0.48	2.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.02	0.06	0.26
Muskegon, MI	Ozone	Maintenance	100	-	0.17	0.51	2.18
Nashua, NH	CO	Maintenance	100	-	0.09	0.25	1.07
Nashville, TN	Ozone	Former Subpart 1	50	-	2.09	6.29	27.16
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.18	0.52	2.21
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.18	0.54	2.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.08	3.18	13.54
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.02	0.11
New York County, NY	PM ₁₀	Moderate	100	-	0.63	1.87	7.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-18.94	-18.70	43.15
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-22.35	-12.57	122.65
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-22.51	-13.06	120.54
Nogales, AZ	PM ₁₀	Moderate	100	-	0.05	0.16	0.69

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Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-31.56	-50.81	-76.61
Ogden, UT	CO	Maintenance	100	-	0.10	0.28	1.21
Ogden, UT	PM ₁₀	Moderate	100	-	0.10	0.28	1.21
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.03	0.09	0.37
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.14	0.42	1.78
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.20	0.59	2.50
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.59	2.52
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.08	0.33
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.28	1.51
Perth Amboy, NJ	CO	Maintenance	100	-	-12.62	-21.27	-37.79
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.54	1.61	6.83
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-103.38	-167.67	-260.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-100.72	-159.61	-225.14
Phoenix, AZ	CO	Maintenance	100	-	5.81	17.31	74.18
Phoenix, AZ	PM ₁₀	Serious	70	-	6.00	17.86	76.54
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	6.02	17.93	76.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.04	0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.08	0.37
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.58	7.83	34.01
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.35	7.13	31.04
Polk County, TN	SO _x	Maintenance	100	-	0.03	0.08	0.36
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Portland, ME	Ozone	Maintenance	100	-	0.50	1.81	8.76

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.39	4.33	19.22
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.06	0.18	0.75
Poughkeepsie, NY	Ozone	Moderate	50	-	1.80	5.30	22.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.04	0.16
Providence (entire State), RI	Ozone	Moderate	50	-	1.00	3.37	15.64
Provo, UT	CO	Maintenance	100	-	0.21	0.63	2.68
Raleigh-Durham, NC	CO	Maintenance	100	-	1.67	5.00	21.51
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.30	6.86	29.43
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	Ozone	Maintenance	100	-	0.45	1.34	5.70
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.45	1.34	5.70
Reno, NV	CO	Maintenance	100	-	0.33	0.98	4.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.47	4.58	20.28
Rillito, AZ	PM ₁₀	Moderate	100	-	0.06	0.19	0.79
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.82	2.42	10.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.36	1.06	4.52
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.11	0.32	1.35
Rochester, NY	Ozone	Former Subpart 1	50	-	1.82	5.38	22.87
Rocky Mount, NC	Ozone	Maintenance	100	-	0.26	0.75	3.21
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.48	2.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.94	5.71	24.27
Sacramento Metro, CA	Ozone	Severe	25	-	3.26	9.85	42.68
Sacramento, CA	CO	Maintenance	100	-	2.13	6.31	26.91
Salem, OR	CO	Maintenance	100	-	0.18	0.53	2.25
Salt Lake City, UT	CO	Maintenance	100	-	-5.81	-9.49	-15.14

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-4.71	-6.25	-1.34
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.39	4.09	17.37
San Antonio, TX	Ozone	Former Subpart 1	50	-	2.10	6.68	30.01
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.57	1.68	7.13
San Diego, CA	CO	Maintenance	100	-	5.35	15.87	67.79
San Diego, CA	Ozone	Former Subpart 1	50	-	5.36	15.90	67.92
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-147.47	-239.37	-372.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-146.32	-235.99	-358.10
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.65	11.90	64.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.68	11.98	64.45
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.65	11.90	64.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.04	0.13	0.55
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.91	2.69	11.43
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.99	11.77	50.04
Sheboygan, WI	Ozone	Moderate	50	-	0.16	0.47	2.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.03	0.09	0.38
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.02	0.07	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.52	1.65	7.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.25	0.73	3.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.40	1.17	4.98
Spokane, WA	CO	Maintenance	100	-	0.39	1.16	4.93
Springfield (western MA), MA	Ozone	Moderate	50	-	1.09	3.36	14.85
Springfield, MA	CO	Maintenance	100	-	0.15	0.49	2.29
St. Louis, MO	CO	Maintenance	100	-	1.29	3.81	16.21
St. Louis, MO-IL	Ozone	Moderate	50	-	-83.79	-136.96	-218.77
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-83.82	-137.04	-219.10

Appendix B

Table B.1-137							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.23	0.67	2.86
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.30
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.06	0.18	0.75
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-3.06	-5.02	-8.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-3.06	-5.02	-8.13
Stockton, CA	CO	Maintenance	100	-	0.60	1.78	7.56
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.71	2.08	8.86
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.18	0.54	2.31
Tioga County, PA	Ozone	Maintenance	100	-	0.08	0.23	0.98
Toledo, OH	Ozone	Maintenance	100	-	-51.63	-86.59	-151.41
Toms River, NJ	CO	Maintenance	100	-	0.13	0.39	1.64
Tooele County, UT	SO _x	Nonattainment	100	-	0.14	0.40	1.70
Trenton, NJ	CO	Maintenance	100	-	0.12	0.35	1.50
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Tucson, AZ	CO	Maintenance	100	-	1.32	3.89	16.54
Utah County, UT	PM ₁₀	Moderate	100	-	0.64	1.90	8.07
Vancouver, WA	CO	Maintenance	100	-	0.41	1.20	5.09
Ventura County, CA	Ozone	Serious	50	-	0.95	2.98	13.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.13
Vigo County, IN	SO _x	Maintenance	100	-	0.18	0.54	2.31
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.08	0.23	0.97
Warren County, NJ	SO _x	Maintenance	100	-	0.05	0.14	0.61
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	0.00	0.15
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.29	0.86	3.64
Washington, DC-MD-VA	CO	Maintenance	100	-	2.12	6.25	26.59

Appendix B

Table B.1-137
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	7.19	21.21	90.17
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	7.05	20.77	88.33
Washoe County, NV	PM ₁₀	Serious	70	-	0.33	0.98	4.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.10	0.30	1.27
Wayne County, MI	PM ₁₀	Maintenance	100	-	-13.13	-22.14	-39.40
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.04	0.17
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.05	0.23
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.21	0.62	2.63
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.21	0.62	2.63
Winston-Salem, NC	CO	Maintenance	100	-	0.56	1.64	6.97
Worcester, MA	CO	Maintenance	100	-	0.29	0.85	3.63
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.13	0.37	1.57
Yakima, WA	CO	Maintenance	100	-	0.05	0.15	0.63
York, PA	Ozone	Maintenance	100	-	0.60	1.76	7.49
York, PA	PM _{2.5}	Nonattainment	100	-	0.47	1.37	5.83
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.89	2.62	11.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.24	0.72	3.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.05	0.20
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.20	13.08	59.66
Albuquerque, NM	CO	Maintenance	100	-	2.05	6.24	27.70
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.51	1.54	6.85
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.88	5.94	27.56
Altoona, PA	Ozone	Maintenance	100	-	0.35	1.08	4.79
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.58	1.76	7.82
Anchorage, AK	CO	Maintenance	100	-	0.49	1.51	6.68
Anthony, NM	PM ₁₀	Moderate	100	-	0.03	0.08	0.35
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.05	0.23
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.07	0.33
Atlanta, GA	Ozone	Moderate	50	-	22.96	70.36	314.37
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	22.98	70.40	314.54
Atlantic City, NJ	CO	Maintenance	100	-	0.18	0.54	2.42
Bakersfield, CA	CO	Maintenance	100	-	-5.55	-8.74	8.05
Baltimore, MD	CO	Maintenance	100	-	0.02	0.07	0.44
Baltimore, MD	Ozone	Moderate	50	-	9.76	30.48	139.44
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	9.76	30.48	139.44
Baton Rouge, LA	Ozone	Moderate	50	-	-206.65	-388.63	-342.06
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-583.37	-1,103.59	-1,031.62
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Benton Harbor, MI	Ozone	Maintenance	100	-	0.61	1.87	8.43
Benzie County, MI	Ozone	Maintenance	100	-	0.08	0.24	1.08
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.51	1.55	6.90
Billings, MT	CO	Maintenance	100	-	-69.32	-131.04	-121.55
Birmingham, AL	Ozone	Maintenance	100	-	-3.11	-1.83	35.74

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.10	-1.79	35.89
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.85	2.92	14.79
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.85	2.92	14.79
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	0.18	0.78
Boston, MA	CO	Maintenance	100	-	2.96	9.03	40.08
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	17.73	54.06	240.00
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.26	6.89	30.57
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	0.10	0.46
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	4.01	12.21	54.20
Burlington, NJ	CO	Maintenance	100	-	0.03	0.09	0.39
Butte, MT	PM ₁₀	Moderate	100	-	0.07	0.22	0.98
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	0.21	0.92
Canton-Massillon, OH	Ozone	Maintenance	100	-	-22.62	-41.68	-28.65
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-22.62	-41.68	-28.65
Case County, MI	Ozone	Maintenance	100	-	0.15	0.46	2.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.07	0.30
Charleston, WV	Ozone	Maintenance	100	-	0.96	2.93	12.99
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.96	2.93	12.99
Charlotte, NC	CO	Maintenance	100	-	2.56	7.80	34.63
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.73	17.45	77.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.86	5.71	25.59
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.69	5.19	23.30
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-360.83	-655.26	-360.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-359.99	-652.71	-348.87
Chico, CA	CO	Maintenance	100	-	0.38	1.15	5.11
Chico, CA	Ozone	Former Subpart 1	50	-	0.87	2.66	11.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6.85	20.88	92.65

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	6.65	20.27	89.95
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	0.14	0.64
Clark County, NV	PM ₁₀	Serious	70	-	5.22	15.92	70.66
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.90	2.75	12.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.63	1.91	8.47
Cleveland, OH	CO	Maintenance	100	-	3.25	9.90	43.94
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	8.94	27.25	120.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	8.24	25.13	111.50
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.23	6.78	30.10
Colbert County, AL	SO _x	Maintenance	100	-	0.21	0.63	2.80
Colorado Springs, CO	CO	Maintenance	100	-	1.44	5.09	26.69
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.06	0.26
Columbia, SC	Ozone	Former Subpart 1	50	-	2.26	6.89	30.59
Columbus, OH	Ozone	Maintenance	100	-	5.84	17.81	79.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5.42	16.52	73.32
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	0.00	0.13
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	3.25	9.90	43.95
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.66	8.10	35.93
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	23.40	72.30	326.44
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.90	8.85	39.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.57	7.82	34.69
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-32.62	-49.84	63.12
Denver-Boulder, CO	CO	Maintenance	100	-	-33.08	-51.21	57.02
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-30.51	-43.37	91.95
Detroit, MI	CO	Maintenance	100	-	-39.70	-68.83	-6.55
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-41.07	-59.26	114.79
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-41.37	-60.17	110.75

Appendix B

Table B.1-138							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.13	0.39	1.73
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.12	0.37	1.66
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.10	0.30	1.32
Duluth, MN	CO	Maintenance	100	-	0.28	0.86	3.82
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.09	0.40
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-256.40	-484.91	-452.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-24.90	-45.23	-24.93
El Paso, TX	CO	Maintenance	100	-	0.10	0.31	1.46
Erie, PA	Ozone	Maintenance	100	-	0.79	2.41	10.70
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	0.80	2.44	10.82
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.76	2.33	10.34
Evansville, IN	Ozone	Maintenance	100	-	0.88	2.68	11.90
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.13	3.45	15.31
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.18	0.82
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.03	3.12	13.86
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.08	0.34
Flint, MI	Ozone	Maintenance	100	-	1.80	5.50	24.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	0.61	1.87	8.31
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	1.27	3.86	17.14
Franklin County, PA	Ozone	Maintenance	100	-	0.53	1.61	7.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.45	1.38	6.14
Fredericksburg, VA	Ozone	Maintenance	100	-	1.44	4.40	19.52

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.06	0.18	0.81
Fresno, CA	CO	Maintenance	100	-	1.88	5.94	27.44
Grand Rapids, MI	Ozone	Maintenance	100	-	2.82	8.60	38.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.14	0.42	1.91
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.03	0.13
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.11	0.35	1.55
Great Falls, MT	CO	Maintenance	100	-	0.07	0.21	0.92
Greater Connecticut, CT	Ozone	Moderate	50	-	5.54	17.08	76.92
Greeley, CO	CO	Maintenance	100	-	0.43	1.31	5.80
Green Bay, WI	SO _x	Maintenance	100	-	0.43	1.30	5.78
Greene County, IN	Ozone	Maintenance	100	-	0.17	0.51	2.28
Greene County, PA	Ozone	Maintenance	100	-	0.16	0.48	2.13
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	5.41	16.76	75.85
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.56	8.07	37.30
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.88	9.04	41.71
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.08	0.24	1.06
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.40	1.22	5.41
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.86	8.86	40.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.64	8.16	36.93
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.52	10.94	49.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	0.11	0.47
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.14	0.41	1.84
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.05	0.23
Hazelwood, PA	SO _x	Maintenance	100	-	0.12	0.39	1.85
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.62	1.88	8.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.02	3.10	13.77
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.02	0.11

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-650.40	-1,209.60	-938.80
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.03	0.13
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-140.29	-264.57	-239.65
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-140.78	-266.04	-246.18
Huron County, MI	Ozone	Maintenance	100	-	0.10	0.30	1.33
Imperial County, CA	Ozone	Moderate	50	-	0.76	2.32	10.31
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.75	2.27	10.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.12	0.35	1.57
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	6.97	21.23	94.20
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.52	16.83	74.66
Jackson County, IN	Ozone	Maintenance	100	-	0.28	0.84	3.72
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.54	1.64	7.29
Jefferson County, NY	Ozone	Moderate	50	-	0.43	1.31	5.80
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.03	0.08	0.36
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.75	2.29	10.17
Johnstown, PA	Ozone	Maintenance	100	-	0.35	1.07	4.74
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.38	1.17	5.20
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	0.11	0.51
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.75	5.34	23.69
Kalispell, MT	PM ₁₀	Moderate	100	-	0.10	0.31	1.38
Kansas City, MO-KS	Ozone	Maintenance	100	-	5.05	16.25	77.00
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.50	1.52	6.74
Kent, WA	PM ₁₀	Maintenance	100	-	0.09	0.27	1.18
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.29	0.88	3.89
Kewaunee County, WI	Ozone	Maintenance	100	-	0.09	0.26	1.16
King County, WA	PM ₁₀	Maintenance	100	-	0.04	0.11	0.48
Klamath Falls, OR	CO	Maintenance	100	-	0.17	0.52	2.32

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.17	0.52	2.32
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.13	12.59	55.88
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.20	9.74	43.24
La Porte County, IN	SO _x	Maintenance	100	-	0.12	0.37	1.63
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	0.16	0.70
Lake County, IN	SO _x	Maintenance	100	-	0.93	2.99	14.06
Lake County, OH	SO _x	Maintenance	100	-	0.12	0.38	1.68
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.06	0.29
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.10	0.31	1.38
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.22	0.67	2.96
Lake Tahoe, NV	CO	Maintenance	100	-	0.07	0.21	0.95
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.09	0.42
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.07
Lancaster, PA	Ozone	Maintenance	100	-	1.47	4.59	21.00
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.47	4.59	21.00
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.66	5.05	22.40
LaPorte, IN	Ozone	Maintenance	100	-	0.34	1.03	4.56
Las Vegas, NV	CO	Serious	100	-	5.22	15.92	70.66
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.30	16.16	71.70
Lauderdale County, AL	SO _x	Maintenance	100	-	0.30	0.93	4.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.02	0.08
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.05	0.21
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.27
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.14	0.64
Lima, OH	Ozone	Maintenance	100	-	-122.27	-231.20	-215.18
Longmont, CO	CO	Maintenance	100	-	0.32	0.97	4.29
Lorain County, OH	SO _x	Maintenance	100	-	0.16	0.49	2.16

Appendix B

Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-116.33	-159.18	413.45
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-116.33	-159.18	413.45
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-116.33	-159.18	413.45
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-116.33	-159.18	413.45
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-116.34	-159.19	413.41
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.40	7.33	32.51
Louisville, KY-IN	Ozone	Maintenance	100	-	3.92	11.94	52.98
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.79	11.55	51.26
Lowell, MA	CO	Maintenance	100	-	0.39	1.20	5.33
Lucas County, OH	SO _x	Maintenance	100	-	1.04	3.16	14.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.21	0.65	2.91
Macon, GA	Ozone	Maintenance	100	-	0.73	2.22	9.83
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.72	2.19	9.73
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.03	0.14
Madison, WI	SO _x	Maintenance	100	-	0.85	2.60	11.52
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.10	0.45
Manchester, NH	CO	Maintenance	100	-	0.27	0.82	3.63
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.35	1.07	4.76
Marion County, IN	SO _x	Maintenance	100	-	1.09	3.31	14.68
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.39	1.19	5.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.11	3.38	14.98
Mason County, MI	Ozone	Maintenance	100	-	0.09	0.28	1.24
Medford, OR	CO	Maintenance	100	-	0.27	0.83	3.67
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.65	1.97	8.75
Memphis, TN-AR	Ozone	Maintenance	100	-	-29.93	-52.71	-13.14
Memphis, TN	CO	Maintenance	100	-	-30.21	-53.56	-16.90
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.10	0.31	1.38

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Table B.1-138							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.05	0.24
Milwaukee, WI	SO _x	Maintenance	100	-	1.83	5.59	24.80
Milwaukee-Racine, WI	Ozone	Moderate	50	-	6.18	18.85	83.63
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-105.58	-188.47	-72.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9.06	28.39	130.46
Missoula, MT	CO	Maintenance	100	-	-0.10	0.05	2.31
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	0.05	2.24
Modesto, CA	CO	Maintenance	100	-	1.07	3.28	14.53
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.36	1.10	4.88
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.04	0.16
Morristown, NJ	CO	Maintenance	100	-	0.11	0.35	1.53
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.10	0.31	1.36
Muncie, IN	Ozone	Maintenance	100	-	0.40	1.22	5.43
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.05	0.21
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	0.16	0.71
Muskegon, MI	Ozone	Maintenance	100	-	0.43	1.34	6.05
Nashua, NH	CO	Maintenance	100	-	0.21	0.65	2.89
Nashville, TN	Ozone	Former Subpart 1	50	-	5.46	16.91	76.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.49	1.49	6.63
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.48	1.47	6.53
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.73	8.32	36.90
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.06	0.28
New York County, NY	PM ₁₀	Moderate	100	-	1.58	4.83	21.42
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-39.78	-44.03	247.16
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-44.53	-24.85	525.09
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-44.96	-26.18	519.19
Nogales, AZ	PM ₁₀	Moderate	100	-	0.14	0.43	1.92

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Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-70.66	-127.56	-62.86
Ogden, UT	CO	Maintenance	100	-	0.24	0.74	3.30
Ogden, UT	PM ₁₀	Moderate	100	-	0.24	0.74	3.30
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.11
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.07	0.22	0.99
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.37	1.14	5.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.18
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.50	1.53	6.81
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.51	1.54	6.85
Payson, AZ	PM ₁₀	Maintenance	100	-	0.07	0.21	0.92
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.18	0.74	4.39
Perth Amboy, NJ	CO	Maintenance	100	-	-28.47	-53.62	-47.94
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.35	4.12	18.31
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-231.80	-421.37	-235.69
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-224.94	-400.04	-138.60
Phoenix, AZ	CO	Maintenance	100	-	16.06	49.31	220.89
Phoenix, AZ	PM ₁₀	Serious	70	-	16.55	50.82	227.62
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	16.61	50.99	228.39
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.04	0.11	0.50
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Pittsburgh, PA	CO	Maintenance	100	-	0.07	0.23	1.07
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	6.56	20.44	93.32
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.96	18.62	85.21
Polk County, TN	SO _x	Maintenance	100	-	0.07	0.22	0.99
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.14
Portland, ME	Ozone	Maintenance	100	-	1.37	4.84	25.31

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Table B.1-138							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	3.59	11.44	53.65
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.15	0.46	2.06
Poughkeepsie, NY	Ozone	Moderate	50	-	4.74	14.46	64.17
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	0.10	0.43
Providence (entire State), RI	Ozone	Moderate	50	-	2.69	9.04	44.92
Provo, UT	CO	Maintenance	100	-	0.57	1.72	7.65
Raleigh-Durham, NC	CO	Maintenance	100	-	4.40	13.57	61.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6.05	18.59	83.36
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.02	0.09
Reading, PA	Ozone	Maintenance	100	-	1.16	3.52	15.64
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.16	3.52	15.64
Reno, NV	CO	Maintenance	100	-	0.85	2.58	11.47
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.04
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.80	12.11	56.70
Rillito, AZ	PM ₁₀	Moderate	100	-	0.17	0.52	2.29
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.23	6.78	30.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.91	2.77	12.31
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.28	0.85	3.77
Rochester, NY	Ozone	Former Subpart 1	50	-	4.65	14.16	62.83
Rocky Mount, NC	Ozone	Maintenance	100	-	0.64	1.96	8.72
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.42	1.27	5.64
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.03	0.12
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.20	15.84	70.29
Sacramento Metro, CA	Ozone	Severe	25	-	8.92	27.67	125.63
Sacramento, CA	CO	Maintenance	100	-	5.75	17.58	78.35
Salem, OR	CO	Maintenance	100	-	0.45	1.39	6.15
Salt Lake City, UT	CO	Maintenance	100	-	-13.03	-23.83	-14.75

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Table B.1-138							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-10.19	-15.18	23.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.58	10.90	48.36
San Antonio, TX	Ozone	Former Subpart 1	50	-	5.58	18.02	85.73
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.49	4.56	20.21
San Diego, CA	CO	Maintenance	100	-	14.27	43.68	194.96
San Diego, CA	Ozone	Former Subpart 1	50	-	14.30	43.77	195.32
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-330.03	-599.57	-331.87
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-327.07	-590.55	-291.87
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.44	34.22	200.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.51	34.42	201.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.44	34.22	200.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.12	0.36	1.58
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.32	7.08	31.41
Seattle-Tacoma, WA	CO	Maintenance	100	-	10.38	31.63	140.37
Sheboygan, WI	Ozone	Moderate	50	-	0.41	1.26	5.58
Sheridan, WY	PM ₁₀	Moderate	100	-	0.08	0.23	1.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.06	0.18	0.82
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.35	4.37	20.82
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.60	1.83	8.18
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.03	3.14	13.95
Spokane, WA	CO	Maintenance	100	-	1.02	3.11	13.80
Springfield (western MA), MA	Ozone	Moderate	50	-	2.80	8.88	41.37
Springfield, MA	CO	Maintenance	100	-	0.39	1.31	6.55
St. Louis, MO	CO	Maintenance	100	-	3.18	9.69	43.01
St. Louis, MO-IL	Ozone	Moderate	50	-	-188.20	-344.70	-217.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-188.27	-344.91	-218.53

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Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.59	1.81	8.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.06	0.20	0.87
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.15	0.45	2.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.89	-12.66	-8.46
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.89	-12.66	-8.46
Stockton, CA	CO	Maintenance	100	-	1.61	4.92	21.84
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.78	5.43	24.09
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Terre Haute, IN	Ozone	Maintenance	100	-	0.46	1.39	6.17
Tioga County, PA	Ozone	Maintenance	100	-	0.20	0.60	2.64
Toledo, OH	Ozone	Maintenance	100	-	-116.42	-218.37	-186.79
Toms River, NJ	CO	Maintenance	100	-	0.34	1.05	4.67
Tooele County, UT	SO _x	Nonattainment	100	-	0.35	1.07	4.74
Trenton, NJ	CO	Maintenance	100	-	0.31	0.94	4.15
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.15
Tucson, AZ	CO	Maintenance	100	-	3.45	10.52	46.68
Utah County, UT	PM ₁₀	Moderate	100	-	1.68	5.13	22.77
Vancouver, WA	CO	Maintenance	100	-	1.08	3.29	14.60
Ventura County, CA	Ozone	Serious	50	-	2.59	8.27	38.90
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.08	0.34
Vigo County, IN	SO _x	Maintenance	100	-	0.46	1.39	6.17
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.20	0.60	2.65
Warren County, NJ	SO _x	Maintenance	100	-	0.12	0.38	1.68
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	0.01	0.54
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.74	2.25	9.98
Washington, DC-MD-VA	CO	Maintenance	100	-	5.43	16.56	73.50

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Table B.1-138
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	18.74	57.13	253.52
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	18.35	55.94	248.23
Washoe County, NV	PM ₁₀	Serious	70	-	0.85	2.58	11.47
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.04	0.19
Wayne County, IN	SO _x	Maintenance	100	-	0.25	0.76	3.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	-29.68	-55.94	-50.32
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	0.10	0.45
Weirton, WV	SO _x	Maintenance	100	-	0.04	0.13	0.59
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.52	1.58	7.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.52	1.58	7.01
Winston-Salem, NC	CO	Maintenance	100	-	1.43	4.35	19.29
Worcester, MA	CO	Maintenance	100	-	0.76	2.30	10.22
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.32	0.98	4.37
Yakima, WA	CO	Maintenance	100	-	0.13	0.40	1.80
York, PA	Ozone	Maintenance	100	-	1.54	4.71	20.89
York, PA	PM _{2.5}	Nonattainment	100	-	1.20	3.66	16.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.21	6.75	29.96
Yuma, AZ	PM ₁₀	Moderate	100	-	0.64	1.96	8.72

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.02	0.05	0.19
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.04	0.12	0.44
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.04	0.12	0.46
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	11.61	35.80	135.88
Albuquerque, NM	CO	Maintenance	100	-	5.45	16.68	61.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.45	4.43	16.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	5.25	16.27	62.69
Altoona, PA	Ozone	Maintenance	100	-	0.88	2.69	9.98
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.89	5.77	21.40
Anchorage, AK	CO	Maintenance	100	-	1.41	4.33	16.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.07	0.21	0.77
Armstrong County, PA	SO _x	Nonattainment	100	-	0.05	0.14	0.52
Aspen, CO	PM ₁₀	Maintenance	100	-	0.07	0.21	0.78
Atlanta, GA	Ozone	Moderate	50	-	64.97	199.29	743.01
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	65.00	199.38	743.33
Atlantic City, NJ	CO	Maintenance	100	-	0.46	1.41	5.24
Bakersfield, CA	CO	Maintenance	100	-	-6.28	-11.76	48.52
Baltimore, MD	CO	Maintenance	100	-	0.06	0.20	1.02
Baltimore, MD	Ozone	Moderate	50	-	27.70	85.50	325.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	27.70	85.50	325.18
Baton Rouge, LA	Ozone	Moderate	50	-	-308.07	-722.51	41.51
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-876.50	-2,066.48	-55.34
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.03	0.11
Benton Harbor, MI	Ozone	Maintenance	100	-	1.50	4.60	17.30
Benzie County, MI	Ozone	Maintenance	100	-	0.24	0.73	2.72
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.41	4.32	16.03
Billings, MT	CO	Maintenance	100	-	-104.03	-245.10	-3.73
Birmingham, AL	Ozone	Maintenance	100	-	-0.87	4.33	102.33

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.84	4.42	102.68
Boise-Northern Ada County, ID	CO	Maintenance	100	-	2.74	8.69	35.86
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	2.74	8.69	35.86
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.17	0.53	1.97
Boston, MA	CO	Maintenance	100	-	7.80	23.88	88.57
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	47.68	146.02	541.56
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	6.24	19.11	70.83
Boyd County (part), KY	SO _x	Maintenance	100	-	0.08	0.26	0.96
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	10.45	32.00	118.61
Burlington, NJ	CO	Maintenance	100	-	0.06	0.19	0.71
Butte, MT	PM ₁₀	Moderate	100	-	0.17	0.53	1.95
Canon City, CO	PM ₁₀	Maintenance	100	-	0.20	0.61	2.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	-32.98	-76.03	25.64
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-32.98	-76.03	25.64
Case County, MI	Ozone	Maintenance	100	-	0.39	1.20	4.46
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.05	0.16	0.58
Charleston, WV	Ozone	Maintenance	100	-	2.36	7.24	26.83
Charleston, WV	PM _{2.5}	Nonattainment	100	-	2.36	7.24	26.83
Charlotte, NC	CO	Maintenance	100	-	7.25	22.20	82.31
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	16.01	49.02	181.72
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	4.89	15.01	56.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	4.49	13.78	51.58
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-512.75	-1,163.15	700.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-510.47	-1,156.18	726.15
Chico, CA	CO	Maintenance	100	-	1.21	3.71	13.75
Chico, CA	Ozone	Former Subpart 1	50	-	2.66	8.15	30.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	18.39	56.31	208.74

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	17.82	54.57	202.30
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.10	0.33	1.28
Clark County, NV	PM ₁₀	Serious	70	-	15.53	47.54	176.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	2.52	7.71	28.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.63	4.99	18.50
Cleveland, OH	CO	Maintenance	100	-	7.88	24.13	89.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	23.17	70.95	263.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	21.27	65.14	241.49
Coachella Valley, CA	PM ₁₀	Serious	70	-	6.90	21.12	78.31
Colbert County, AL	SO _x	Maintenance	100	-	0.50	1.53	5.67
Colorado Springs, CO	CO	Maintenance	100	-	4.98	15.91	67.03
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.06	0.17	0.63
Columbia, SC	Ozone	Former Subpart 1	50	-	6.06	18.57	68.83
Columbus, OH	Ozone	Maintenance	100	-	16.54	50.65	187.78
Columbus, OH	PM _{2.5}	Nonattainment	100	-	15.38	47.09	174.58
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.02	0.30
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	7.88	24.13	89.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	6.55	20.07	74.39
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	68.65	211.12	793.66
Dayton-Springfield, OH	Ozone	Maintenance	100	-	7.38	22.61	83.80
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	6.50	19.91	73.82
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-35.18	-62.31	328.32
Denver-Boulder, CO	CO	Maintenance	100	-	-36.47	-66.27	313.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-29.11	-43.70	397.55
Detroit, MI	CO	Maintenance	100	-	-53.15	-116.07	144.77
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-43.21	-71.98	476.38
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-44.01	-74.43	467.30

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.36	1.09	4.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.32	0.98	3.62
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.26	0.79	2.92
Duluth, MN	CO	Maintenance	100	-	0.71	2.17	8.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.09	0.27	1.00
East Chicago, IN	CO	Maintenance	100	-	0.01	0.03	0.10
East Chicago, IN	PM ₁₀	Maintenance	100	-	-385.12	-907.79	-21.34
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.03	0.11
El Paso County, TX	PM ₁₀	Moderate	100	-	-35.37	-80.24	48.39
El Paso, TX	CO	Maintenance	100	-	0.27	0.85	3.27
Erie, PA	Ozone	Maintenance	100	-	2.02	6.19	22.95
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.02	0.05	0.18
Eugene-Springfield, OR	CO	Maintenance	100	-	2.20	6.73	24.94
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	2.11	6.45	23.90
Evansville, IN	Ozone	Maintenance	100	-	2.31	7.09	26.27
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.95	9.04	33.50
Fairbanks, AK	CO	Maintenance	100	-	0.17	0.53	1.98
Fayetteville, NC	Ozone	Former Subpart 1	50	-	2.74	8.38	31.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.07	0.22	0.83
Flint, MI	Ozone	Maintenance	100	-	4.68	14.32	53.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.03	0.10
Fort Collins, CO	CO	Maintenance	100	-	1.79	5.48	20.31
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Fort Wayne, IN	Ozone	Maintenance	100	-	3.39	10.38	38.48
Franklin County, PA	Ozone	Maintenance	100	-	1.45	4.43	16.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Frederick County, VA	Ozone	Former Subpart 1	50	-	1.22	3.73	13.83
Fredericksburg, VA	Ozone	Maintenance	100	-	4.25	13.01	48.24

Appendix B

Table B.1-139							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.18	0.56	2.08
Fresno, CA	CO	Maintenance	100	-	5.62	17.38	66.52
Grand Rapids, MI	Ozone	Maintenance	100	-	7.85	24.04	89.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.34	1.05	3.94
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.07	0.25
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.33	1.02	3.78
Great Falls, MT	CO	Maintenance	100	-	0.16	0.49	1.82
Greater Connecticut, CT	Ozone	Moderate	50	-	14.57	44.78	168.24
Greeley, CO	CO	Maintenance	100	-	1.20	3.68	13.64
Green Bay, WI	SO _x	Maintenance	100	-	1.16	3.55	13.16
Greene County, IN	Ozone	Maintenance	100	-	0.45	1.38	5.10
Greene County, PA	Ozone	Maintenance	100	-	0.40	1.24	4.59
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	14.51	44.65	168.45
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	6.93	21.46	82.47
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	7.65	23.69	90.96
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.21	0.63	2.33
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	1.07	3.29	12.19
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	8.06	24.79	93.33
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	7.42	22.83	86.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	9.21	28.39	107.47
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.10	0.31	1.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.40	1.23	4.55
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.05	0.14	0.52
Hazelwood, PA	SO _x	Maintenance	100	-	0.34	1.05	4.15
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.56	4.78	17.74
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	2.62	8.04	29.80
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.05	0.23

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-954.23	-2,214.51	504.05
Humphreys County, TN	SO _x	Maintenance	100	-	0.03	0.08	0.29
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-210.07	-494.00	7.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-211.34	-497.88	-7.37
Huron County, MI	Ozone	Maintenance	100	-	0.25	0.77	2.85
Imperial County, CA	Ozone	Moderate	50	-	2.25	6.88	25.52
Imperial Valley, CA	PM ₁₀	Serious	70	-	2.20	6.74	24.99
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.30	0.91	3.39
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.02	0.09
Indianapolis, IN	Ozone	Maintenance	100	-	19.19	58.75	217.81
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	15.24	46.67	173.03
Jackson County, IN	Ozone	Maintenance	100	-	0.72	2.19	8.13
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.40	4.29	15.92
Jefferson County, NY	Ozone	Moderate	50	-	1.13	3.46	12.82
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.06	0.19	0.71
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.93	5.91	21.91
Johnstown, PA	Ozone	Maintenance	100	-	0.80	2.45	9.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.88	2.70	9.99
Juneau, AK	PM ₁₀	Moderate	100	-	0.11	0.35	1.30
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	4.57	13.99	51.86
Kalispell, MT	PM ₁₀	Moderate	100	-	0.30	0.90	3.35
Kansas City, MO-KS	Ozone	Maintenance	100	-	14.89	46.39	181.60
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.39	4.24	15.73
Kent, WA	PM ₁₀	Maintenance	100	-	0.25	0.78	2.88
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.76	2.32	8.60
Kewaunee County, WI	Ozone	Maintenance	100	-	0.22	0.67	2.50
King County, WA	PM ₁₀	Maintenance	100	-	0.10	0.31	1.14
Klamath Falls, OR	CO	Maintenance	100	-	0.44	1.35	5.01

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.44	1.35	5.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	11.78	36.07	133.72
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	8.98	27.51	101.98
La Porte County, IN	SO _x	Maintenance	100	-	0.30	0.92	3.40
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.14	0.42	1.56
Lake County, IN	SO _x	Maintenance	100	-	2.48	7.71	30.15
Lake County, OH	SO _x	Maintenance	100	-	0.32	0.98	3.64
Lake County, OR	PM ₁₀	Maintenance	100	-	0.05	0.16	0.60
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.34	1.03	3.82
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.74	2.26	8.38
Lake Tahoe, NV	CO	Maintenance	100	-	0.19	0.57	2.11
Lamar, CO	PM ₁₀	Maintenance	100	-	0.08	0.24	0.89
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Lancaster, PA	Ozone	Maintenance	100	-	4.09	12.64	48.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	4.09	12.64	48.12
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	4.40	13.48	49.96
LaPorte, IN	Ozone	Maintenance	100	-	0.83	2.55	9.47
Las Vegas, NV	CO	Serious	100	-	15.53	47.54	176.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	15.72	48.13	178.42
Lauderdale County, AL	SO _x	Maintenance	100	-	0.77	2.36	8.74
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.02	0.05	0.18
Libby, MT	PM ₁₀	Moderate	100	-	0.04	0.11	0.42
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.05	0.15	0.56
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.33	1.28
Lima, OH	Ozone	Maintenance	100	-	-183.61	-432.74	-9.05
Longmont, CO	CO	Maintenance	100	-	0.93	2.86	10.59
Lorain County, OH	SO _x	Maintenance	100	-	0.42	1.30	4.82

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-105.86	-145.26	1,664.74
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-105.86	-145.26	1,664.74
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-105.86	-145.26	1,664.74
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-105.86	-145.25	1,664.76
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-105.86	-145.28	1,664.66
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	6.82	20.88	77.40
Louisville, KY-IN	Ozone	Maintenance	100	-	10.19	31.21	115.71
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	9.77	29.93	110.94
Lowell, MA	CO	Maintenance	100	-	1.10	3.35	12.43
Lucas County, OH	SO _x	Maintenance	100	-	2.59	7.93	29.38
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.54	1.65	6.14
Macon, GA	Ozone	Maintenance	100	-	1.79	5.49	20.36
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.77	5.43	20.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.08	0.28
Madison, WI	SO _x	Maintenance	100	-	2.48	7.60	28.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.11	0.35	1.28
Manchester, NH	CO	Maintenance	100	-	0.66	2.03	7.51
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.90	2.76	10.22
Marion County, IN	SO _x	Maintenance	100	-	2.74	8.39	31.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	1.21	3.72	13.77
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.96	9.06	33.57
Mason County, MI	Ozone	Maintenance	100	-	0.25	0.76	2.81
Medford, OR	CO	Maintenance	100	-	0.80	2.46	9.12
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.93	5.90	21.88
Memphis, TN-AR	Ozone	Maintenance	100	-	-41.51	-91.83	93.92
Memphis, TN	CO	Maintenance	100	-	-42.17	-93.88	86.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.30	0.91	3.39

Appendix B

Table B.1-139							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.04	0.12	0.50
Milwaukee, WI	SO _x	Maintenance	100	-	4.66	14.28	52.94
Milwaukee-Racine, WI	Ozone	Moderate	50	-	16.65	51.00	189.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-146.43	-326.31	293.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	25.73	79.52	303.65
Missoula, MT	CO	Maintenance	100	-	0.11	0.67	6.58
Missoula, MT	PM ₁₀	Moderate	100	-	0.11	0.65	6.37
Modesto, CA	CO	Maintenance	100	-	3.25	9.96	36.92
Mohave County, AZ	PM ₁₀	Maintenance	100	-	1.10	3.38	12.52
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.02	0.05	0.18
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.03	0.09	0.33
Morristown, NJ	CO	Maintenance	100	-	0.34	1.03	3.82
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.25	0.77	2.86
Muncie, IN	Ozone	Maintenance	100	-	0.96	2.94	10.90
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.04	0.14	0.51
Muscatine County, IA	SO _x	Maintenance	100	-	0.14	0.44	1.61
Muskegon, MI	Ozone	Maintenance	100	-	1.18	3.64	13.69
Nashua, NH	CO	Maintenance	100	-	0.53	1.63	6.05
Nashville, TN	Ozone	Former Subpart 1	50	-	15.49	47.69	179.75
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.61	4.93	18.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.39	4.26	15.80
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	7.03	21.51	79.76
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.05	0.16	0.58
New York County, NY	PM ₁₀	Moderate	100	-	3.92	12.01	44.54
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-29.78	-20.50	794.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-7.62	78.17	1,539.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-8.84	74.45	1,526.06
Nogales, AZ	PM ₁₀	Moderate	100	-	0.39	1.20	4.44

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-100.16	-226.32	151.01
Ogden, UT	CO	Maintenance	100	-	0.63	1.93	7.16
Ogden, UT	PM ₁₀	Moderate	100	-	0.63	1.93	7.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.02	0.06	0.22
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.18	0.55	2.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	1.08	3.30	12.23
Owens Valley, CA	PM ₁₀	Serious	70	-	0.04	0.13	0.48
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.29	3.94	14.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.29	3.96	14.70
Payson, AZ	PM ₁₀	Maintenance	100	-	0.19	0.59	2.18
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Peoria, IL	SO _x	Maintenance	100	-	0.62	2.08	9.91
Perth Amboy, NJ	CO	Maintenance	100	-	-42.44	-99.60	4.62
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	3.31	10.14	37.59
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-331.72	-754.74	417.22
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-313.00	-697.03	635.96
Phoenix, AZ	CO	Maintenance	100	-	52.10	159.89	596.80
Phoenix, AZ	PM ₁₀	Serious	70	-	53.54	164.29	613.18
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	53.70	164.76	614.93
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.09	0.28	1.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.03	0.11
Pittsburgh, PA	CO	Maintenance	100	-	0.23	0.70	2.76
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	17.24	53.20	202.36
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	15.69	48.47	184.78
Polk County, TN	SO _x	Maintenance	100	-	0.19	0.58	2.15
Polson, MT	PM ₁₀	Moderate	100	-	0.03	0.09	0.34
Portland, ME	Ozone	Maintenance	100	-	4.33	13.88	59.00

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Table B.1-139							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	9.96	30.96	120.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.39	1.20	4.45
Poughkeepsie, NY	Ozone	Moderate	50	-	13.79	42.22	156.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.08	0.24	0.89
Providence (entire State), RI	Ozone	Moderate	50	-	8.22	25.94	105.63
Provo, UT	CO	Maintenance	100	-	1.65	5.05	18.71
Raleigh-Durham, NC	CO	Maintenance	100	-	12.74	39.15	146.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	17.39	53.38	199.59
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.18
Reading, PA	Ozone	Maintenance	100	-	3.04	9.32	34.55
Reading, PA	PM _{2.5}	Nonattainment	100	-	3.04	9.32	34.55
Reno, NV	CO	Maintenance	100	-	2.27	6.94	25.74
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.03	0.12
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	10.60	32.94	127.94
Rillito, AZ	PM ₁₀	Moderate	100	-	0.51	1.56	5.80
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	6.90	21.12	78.31
Roanoke, VA	Ozone	Former Subpart 1	50	-	2.34	7.16	26.56
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.77	2.35	8.70
Rochester, NY	Ozone	Former Subpart 1	50	-	12.25	37.52	139.10
Rocky Mount, NC	Ozone	Maintenance	100	-	1.65	5.05	18.72
Rome, GA	PM _{2.5}	Nonattainment	100	-	1.09	3.33	12.36
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.13
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.07	0.25
Sacramento County, CA	PM ₁₀	Moderate	100	-	15.76	48.26	178.90
Sacramento Metro, CA	Ozone	Severe	25	-	28.26	86.99	328.08
Sacramento, CA	CO	Maintenance	100	-	17.64	54.06	201.09
Salem, OR	CO	Maintenance	100	-	1.18	3.63	13.44
Salt Lake City, UT	CO	Maintenance	100	-	-18.68	-42.68	20.84

Appendix B

Table B.1-139							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-10.93	-18.93	108.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	9.79	29.97	111.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	16.61	51.77	203.26
San Bernardino County, CA	PM ₁₀	Moderate	100	-	4.23	12.96	48.06
San Diego, CA	CO	Maintenance	100	-	42.59	130.58	486.26
San Diego, CA	Ozone	Former Subpart 1	50	-	42.67	130.83	487.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-466.77	-1,057.33	662.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-458.70	-1,032.61	753.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	36.38	119.20	537.70
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	36.53	119.64	539.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	36.38	119.20	537.70
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.34	1.05	3.88
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	6.13	18.76	69.55
Seattle-Tacoma, WA	CO	Maintenance	100	-	29.00	88.82	329.26
Sheboygan, WI	Ozone	Moderate	50	-	1.13	3.45	12.80
Sheridan, WY	PM ₁₀	Moderate	100	-	0.20	0.60	2.23
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.17	0.51	1.88
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	3.81	11.90	46.97
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	1.36	4.17	15.54
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.87	8.78	32.57
Spokane, WA	CO	Maintenance	100	-	2.84	8.69	32.21
Springfield (western MA), MA	Ozone	Moderate	50	-	7.73	23.98	92.75
Springfield, MA	CO	Maintenance	100	-	1.19	3.75	15.45
St. Louis, MO	CO	Maintenance	100	-	7.52	23.04	85.42
St. Louis, MO-IL	Ozone	Moderate	50	-	-272.46	-624.73	265.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-272.63	-625.26	263.40

Appendix B

Table B.1-139							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.66	5.09	18.86
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.20	0.61	2.27
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.36	1.10	4.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-10.05	-23.17	8.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-10.05	-23.17	8.00
Stockton, CA	CO	Maintenance	100	-	4.91	15.04	55.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	4.56	13.97	51.79
Telluride, CO	PM ₁₀	Maintenance	100	-	0.02	0.05	0.20
Terre Haute, IN	Ozone	Maintenance	100	-	1.10	3.38	12.52
Tioga County, PA	Ozone	Maintenance	100	-	0.49	1.49	5.53
Toledo, OH	Ozone	Maintenance	100	-	-173.23	-405.49	35.80
Toms River, NJ	CO	Maintenance	100	-	1.01	3.09	11.45
Tooele County, UT	SO _x	Nonattainment	100	-	0.96	2.94	10.91
Trenton, NJ	CO	Maintenance	100	-	0.83	2.53	9.38
Trona, CA	PM ₁₀	Moderate	100	-	0.03	0.10	0.38
Tucson, AZ	CO	Maintenance	100	-	9.80	30.01	111.26
Utah County, UT	PM ₁₀	Moderate	100	-	4.78	14.65	54.30
Vancouver, WA	CO	Maintenance	100	-	3.18	9.75	36.15
Ventura County, CA	Ozone	Serious	50	-	8.23	25.54	99.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.06	0.19	0.70
Vigo County, IN	SO _x	Maintenance	100	-	1.10	3.38	12.52
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.51	1.57	5.83
Warren County, NJ	SO _x	Maintenance	100	-	0.34	1.03	3.82
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.11	1.36
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.93	5.91	21.91
Washington, DC-MD-VA	CO	Maintenance	100	-	14.73	45.12	167.25

Appendix B

Table B.1-139
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	52.73	161.48	598.61
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	51.56	157.90	585.36
Washoe County, NV	PM ₁₀	Serious	70	-	2.27	6.94	25.74
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.04	0.11	0.41
Wayne County, IN	SO _x	Maintenance	100	-	0.59	1.82	6.74
Wayne County, MI	PM ₁₀	Maintenance	100	-	-44.72	-105.01	3.88
Weirton, WV	PM ₁₀	Maintenance	100	-	0.07	0.23	0.85
Weirton, WV	SO _x	Maintenance	100	-	0.10	0.31	1.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.24	3.80	14.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.24	3.80	14.11
Winston-Salem, NC	CO	Maintenance	100	-	3.84	11.75	43.54
Worcester, MA	CO	Maintenance	100	-	2.15	6.58	24.40
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.88	2.69	9.96
Yakima, WA	CO	Maintenance	100	-	0.40	1.21	4.49
York, PA	Ozone	Maintenance	100	-	4.25	13.02	48.28
York, PA	PM _{2.5}	Nonattainment	100	-	3.30	10.10	37.43
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	5.44	16.67	61.78
Yuma, AZ	PM ₁₀	Moderate	100	-	1.87	5.74	21.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-140							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.05	0.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.12	0.58
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.12	0.60
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.36	35.36	178.48
Albuquerque, NM	CO	Maintenance	100	-	0.16	16.09	79.95
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.05	4.54	22.54
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.16	16.13	82.14
Altoona, PA	Ozone	Maintenance	100	-	0.02	2.43	12.11
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	6.47	32.16
Anchorage, AK	CO	Maintenance	100	-	0.04	4.36	21.66
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.20	0.98
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.14	0.68
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.21	1.06
Atlanta, GA	Ozone	Moderate	50	-	2.03	202.02	1,007.43
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.03	202.08	1,007.75
Atlantic City, NJ	CO	Maintenance	100	-	0.01	1.32	6.58
Bakersfield, CA	CO	Maintenance	100	-	0.13	0.71	87.64
Baltimore, MD	CO	Maintenance	100	-	0.00	0.22	1.35
Baltimore, MD	Ozone	Moderate	50	-	0.88	86.17	435.54
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.88	86.17	435.53
Baton Rouge, LA	Ozone	Moderate	50	-	-0.10	-362.02	684.55
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.73	-1,057.70	1,688.29
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.03	0.14
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	4.11	20.62
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.78	3.89
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	4.32	21.45
Billings, MT	CO	Maintenance	100	-	-0.08	-125.05	204.79
Birmingham, AL	Ozone	Maintenance	100	-	0.25	14.13	148.98

Appendix B

Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.26	14.22	149.46
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.10	9.29	49.17
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.10	9.29	49.17
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.57	2.83
Boston, MA	CO	Maintenance	100	-	0.23	22.94	114.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.43	142.26	707.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.19	19.00	94.40
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.24	1.19
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.30	30.33	150.73
Burlington, NJ	CO	Maintenance	100	-	0.00	0.13	0.63
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.45	2.26
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.65	3.24
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.04	-35.80	102.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.04	-35.80	102.87
Case County, MI	Ozone	Maintenance	100	-	0.01	1.14	5.64
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.11
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.13	0.66
Charleston, WV	Ozone	Maintenance	100	-	0.07	6.49	32.24
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	6.49	32.24
Charlotte, NC	CO	Maintenance	100	-	0.23	22.57	112.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.50	49.33	245.11
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	14.29	71.44
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.13	13.24	66.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.50	-499.99	2,091.80
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.57	-493.11	2,125.95
Chico, CA	CO	Maintenance	100	-	0.04	4.18	20.77
Chico, CA	Ozone	Former Subpart 1	50	-	0.09	8.76	43.52
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.55	54.77	272.18

Appendix B

Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.53	53.00	263.39
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.27	1.40
Clark County, NV	PM ₁₀	Serious	70	-	0.50	50.12	249.08
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.08	7.75	38.51
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	4.72	23.47
Cleveland, OH	CO	Maintenance	100	-	0.21	21.32	105.92
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.67	66.89	332.40
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.61	61.17	303.96
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.23	22.94	113.97
Colbert County, AL	SO _x	Maintenance	100	-	0.01	1.34	6.67
Colorado Springs, CO	CO	Maintenance	100	-	0.19	17.58	94.31
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.18	0.89
Columbia, SC	Ozone	Former Subpart 1	50	-	0.18	18.16	90.23
Columbus, OH	Ozone	Maintenance	100	-	0.52	51.47	255.76
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.48	47.94	238.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.03	0.35
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.21	21.32	105.92
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	18.38	91.32
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.22	219.30	1,099.03
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.21	20.94	104.06
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	18.39	91.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.87	14.12	578.74
Denver-Boulder, CO	CO	Maintenance	100	-	0.83	10.02	558.41
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.06	33.21	673.80
Detroit, MI	CO	Maintenance	100	-	0.27	-54.45	299.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.19	22.15	788.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.17	19.77	776.99

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Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	1.10	5.45
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.91	4.51
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.75	3.72
Duluth, MN	CO	Maintenance	100	-	0.02	1.99	9.88
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.28	1.39
East Chicago, IN	CO	Maintenance	100	-	0.00	0.02	0.12
East Chicago, IN	PM ₁₀	Maintenance	100	-	-0.31	-464.31	745.98
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.03	0.14
El Paso County, TX	PM ₁₀	Moderate	100	-	0.10	-34.46	144.37
El Paso, TX	CO	Maintenance	100	-	0.01	0.82	4.18
Erie, PA	Ozone	Maintenance	100	-	0.06	5.76	28.63
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.05	0.26
Eugene-Springfield, OR	CO	Maintenance	100	-	0.07	6.70	33.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	6.44	31.98
Evansville, IN	Ozone	Maintenance	100	-	0.07	6.77	33.64
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.09	8.54	42.45
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.55	2.71
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	8.11	40.28
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.23	1.15
Flint, MI	Ozone	Maintenance	100	-	0.14	13.50	67.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.02	0.09
Fort Collins, CO	CO	Maintenance	100	-	0.06	5.68	28.23
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Fort Wayne, IN	Ozone	Maintenance	100	-	0.10	10.06	50.01
Franklin County, PA	Ozone	Maintenance	100	-	0.04	4.37	21.73
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.02	0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.04	3.63	18.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.14	13.63	67.72

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Table B.1-140							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.63	3.13
Fresno, CA	CO	Maintenance	100	-	0.18	17.99	91.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.24	24.10	119.74
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.93	4.64
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.06	0.29
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.01	0.07
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	1.07	5.33
Great Falls, MT	CO	Maintenance	100	-	0.00	0.41	2.06
Greater Connecticut, CT	Ozone	Moderate	50	-	0.43	42.56	213.45
Greeley, CO	CO	Maintenance	100	-	0.04	3.71	18.46
Green Bay, WI	SO _x	Maintenance	100	-	0.03	3.45	17.15
Greene County, IN	Ozone	Maintenance	100	-	0.01	1.33	6.60
Greene County, PA	Ozone	Maintenance	100	-	0.01	1.16	5.76
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.44	43.09	216.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.21	20.72	105.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.23	22.58	114.83
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.60	2.98
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	3.18	15.82
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.25	24.93	125.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.23	22.95	115.28
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.27	26.70	134.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.32	1.61
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	1.29	6.41
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.14	0.68
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	1.06	5.54
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	4.41	21.89
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.08	7.55	37.49
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.05	0.29

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Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.70	-1,058.28	2,696.05
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.08	0.38
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.13	-250.65	433.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.16	-254.35	414.61
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.71	3.54
Imperial County, CA	Ozone	Moderate	50	-	0.07	7.22	35.86
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.07	7.07	35.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.84	4.19
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.02	0.10
Indianapolis, IN	Ozone	Maintenance	100	-	0.59	58.42	290.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.47	46.49	231.03
Jackson County, IN	Ozone	Maintenance	100	-	0.02	2.08	10.33
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	4.07	20.20
Jefferson County, NY	Ozone	Moderate	50	-	0.03	3.31	16.44
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.16	0.78
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.06	5.52	27.44
Johnstown, PA	Ozone	Maintenance	100	-	0.02	2.02	10.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	2.23	11.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.38	1.91
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	13.26	65.91
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.93	4.65
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.49	47.57	244.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	4.25	21.11
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.82	4.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	2.20	10.95
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.63	3.14
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.31	1.55
Klamath Falls, OR	CO	Maintenance	100	-	0.01	1.27	6.29

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Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	1.27	6.29
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.37	36.86	183.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.28	27.79	138.10
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.83	4.12
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.40	2.01
Lake County, IN	SO _x	Maintenance	100	-	0.07	7.24	37.29
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.93	4.60
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.15	0.74
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	1.17	5.80
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	2.66	13.21
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.53	2.66
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.23	1.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.15
Lancaster, PA	Ozone	Maintenance	100	-	0.13	12.56	63.51
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.13	12.56	63.51
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.03	0.15
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.13	13.00	64.58
LaPorte, IN	Ozone	Maintenance	100	-	0.02	2.30	11.44
Las Vegas, NV	CO	Serious	100	-	0.50	50.12	249.08
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.51	50.64	251.66
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	2.17	10.77
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.04	0.22
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.10	0.51
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.14	0.67
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.27	1.40
Lima, OH	Ozone	Maintenance	100	-	-0.15	-221.20	357.31
Longmont, CO	CO	Maintenance	100	-	0.03	3.02	15.02
Lorain County, OH	SO _x	Maintenance	100	-	0.01	1.26	6.26

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Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	4.39	151.78	2,765.91
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	4.39	151.78	2,765.91
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	4.39	151.78	2,765.91
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	4.39	151.78	2,765.92
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	4.39	151.76	2,765.81
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.21	21.28	105.73
Louisville, KY-IN	Ozone	Maintenance	100	-	0.30	29.53	146.75
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.28	28.08	139.53
Lowell, MA	CO	Maintenance	100	-	0.03	3.42	16.98
Lucas County, OH	SO _x	Maintenance	100	-	0.07	7.20	35.79
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	1.50	7.49
Macon, GA	Ozone	Maintenance	100	-	0.05	4.94	24.54
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	4.87	24.22
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.07	0.33
Madison, WI	SO _x	Maintenance	100	-	0.08	7.92	39.38
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.41	2.06
Manchester, NH	CO	Maintenance	100	-	0.02	1.76	8.76
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	2.57	12.78
Marion County, IN	SO _x	Maintenance	100	-	0.08	7.71	38.30
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	4.03	20.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.09	8.77	43.57
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.74	3.69
Medford, OR	CO	Maintenance	100	-	0.03	2.60	12.92
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.06	6.27	31.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.20	-36.30	216.20
Memphis, TN	CO	Maintenance	100	-	0.18	-38.09	207.32
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.95	4.73

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Table B.1-140							
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Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.11	0.59
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	13.34	66.28
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.50	49.75	247.23
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.68	-127.31	739.99
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.82	80.09	405.91
Missoula, MT	CO	Maintenance	100	-	0.02	1.23	9.60
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	1.19	9.28
Modesto, CA	CO	Maintenance	100	-	0.11	10.53	52.34
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	3.65	18.11
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.05	0.26
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.08	0.42
Morristown, NJ	CO	Maintenance	100	-	0.01	1.12	5.55
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.70	3.50
Muncie, IN	Ozone	Maintenance	100	-	0.03	2.56	12.71
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.16	0.80
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.43	2.15
Muskegon, MI	Ozone	Maintenance	100	-	0.04	3.57	17.88
Nashua, NH	CO	Maintenance	100	-	0.01	1.44	7.15
Nashville, TN	Ozone	Former Subpart 1	50	-	0.49	48.24	242.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	5.54	27.55
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	4.50	22.37
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.20	20.14	100.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.15	0.74
New York County, NY	PM ₁₀	Moderate	100	-	0.11	10.84	53.89
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.98	84.29	1,213.74
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.93	229.01	2,279.10
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.89	225.28	2,260.56
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	1.19	5.91

Appendix B

Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.32	-96.74	423.09
Ogden, UT	CO	Maintenance	100	-	0.02	1.81	9.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	1.81	9.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.05	0.23
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.48	2.38
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	3.40	16.91
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.16	0.80
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	3.66	18.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	3.69	18.35
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.59	2.95
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Peoria, IL	SO _x	Maintenance	100	-	0.02	2.17	12.73
Perth Amboy, NJ	CO	Maintenance	100	-	-0.01	-49.74	94.26
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	9.03	44.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.83	-333.86	1,275.71
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.40	-277.38	1,560.38
Phoenix, AZ	CO	Maintenance	100	-	1.80	178.31	889.42
Phoenix, AZ	PM ₁₀	Serious	70	-	1.84	182.86	912.02
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.85	183.30	914.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.25	1.23
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.02	0.11
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.85	4.43
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.51	50.26	254.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.47	45.82	232.41
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.55	2.73
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.10	0.50
Portland, ME	Ozone	Maintenance	100	-	0.15	14.39	78.12

Appendix B

Table B.1-140 Emission Changes ^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2 Nitrogen Oxide (NO _x) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.31	30.34	155.90
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	1.12	5.57
Poughkeepsie, NY	Ozone	Moderate	50	-	0.44	43.77	217.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.22	1.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.28	26.78	141.72
Provo, UT	CO	Maintenance	100	-	0.05	5.23	25.99
Raleigh-Durham, NC	CO	Maintenance	100	-	0.41	40.31	201.67
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.55	54.72	273.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.04	0.22
Reading, PA	Ozone	Maintenance	100	-	0.09	8.91	44.28
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.09	8.91	44.28
Reno, NV	CO	Maintenance	100	-	0.07	6.73	33.42
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.04	0.20
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.33	32.49	166.40
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	1.67	8.31
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.23	22.94	113.97
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	6.70	33.31
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	2.32	11.53
Rochester, NY	Ozone	Former Subpart 1	50	-	0.36	35.95	178.62
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	4.70	23.38
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	3.16	15.73
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.04	0.19
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.06	0.31
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.52	51.59	256.37
Sacramento Metro, CA	Ozone	Severe	25	-	0.96	95.00	476.82
Sacramento, CA	CO	Maintenance	100	-	0.58	57.98	288.68
Salem, OR	CO	Maintenance	100	-	0.03	3.42	17.01
Salt Lake City, UT	CO	Maintenance	100	-	0.04	-18.94	69.37

Appendix B

Table B.1-140							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.28	4.51	185.87
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.30	29.65	147.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.55	53.32	275.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.13	12.93	64.25
San Diego, CA	CO	Maintenance	100	-	1.39	137.81	686.68
San Diego, CA	Ozone	Former Subpart 1	50	-	1.39	138.08	688.03
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.49	-444.88	1,972.69
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.73	-420.74	2,092.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.54	140.98	787.77
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.54	141.32	789.45
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.54	140.98	787.77
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	1.09	5.41
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.09
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.18	17.97	89.32
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.90	89.27	443.60
Sheboygan, WI	Ozone	Moderate	50	-	0.03	3.41	16.94
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.57	2.82
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.50	2.50
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.12	11.77	61.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	3.24	16.15
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.09	8.79	43.69
Spokane, WA	CO	Maintenance	100	-	0.09	8.69	43.17
Springfield (western MA), MA	Ozone	Moderate	50	-	0.24	23.45	120.02
Springfield, MA	CO	Maintenance	100	-	0.04	3.98	21.32
St. Louis, MO	CO	Maintenance	100	-	0.20	19.87	98.71
St. Louis, MO-IL	Ozone	Moderate	50	-	0.47	-287.68	927.27
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.46	-288.18	924.81

Appendix B

Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	5.13	25.48
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.67	3.34
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.98	4.86
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	-10.99	31.11
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	-10.99	31.11
Stockton, CA	CO	Maintenance	100	-	0.16	16.36	81.31
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	13.02	64.72
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.06	0.32
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	2.97	14.77
Tioga County, PA	Ozone	Maintenance	100	-	0.01	1.35	6.72
Toledo, OH	Ozone	Maintenance	100	-	-0.03	-202.26	400.12
Toms River, NJ	CO	Maintenance	100	-	0.03	3.27	16.25
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	2.92	14.49
Trenton, NJ	CO	Maintenance	100	-	0.03	2.49	12.38
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.11	0.54
Tucson, AZ	CO	Maintenance	100	-	0.31	30.58	151.95
Utah County, UT	PM ₁₀	Moderate	100	-	0.15	14.93	74.18
Vancouver, WA	CO	Maintenance	100	-	0.10	10.18	50.59
Ventura County, CA	Ozone	Serious	50	-	0.28	27.67	141.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.17	0.83
Vigo County, IN	SO _x	Maintenance	100	-	0.03	2.97	14.77
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.02	1.50	7.48
Warren County, NJ	SO _x	Maintenance	100	-	0.01	1.01	5.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.18	1.83
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	5.62	27.93
Washington, DC-MD-VA	CO	Maintenance	100	-	0.46	45.58	226.50

Appendix B

Table B.1-140
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.64	163.34	811.64
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.60	159.55	792.83
Washoe County, NV	PM ₁₀	Serious	70	-	0.07	6.73	33.42
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.10	0.52
Wayne County, IN	SO _x	Maintenance	100	-	0.02	1.59	7.90
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.01	-55.75	107.52
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.16	0.82
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.23	1.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	3.32	16.50
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	3.32	16.50
Winston-Salem, NC	CO	Maintenance	100	-	0.11	11.45	56.87
Worcester, MA	CO	Maintenance	100	-	0.07	6.81	33.84
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	2.63	13.06
Yakima, WA	CO	Maintenance	100	-	0.01	1.30	6.44
York, PA	Ozone	Maintenance	100	-	0.13	12.94	64.31
York, PA	PM _{2.5}	Nonattainment	100	-	0.10	10.01	49.75
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	14.92	74.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	5.95	29.55

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.14	-0.21
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.06	-0.10
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.10
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.03
Anchorage, AK	CO	Maintenance	100	-	0.01	0.02	-0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.68	0.72	-1.09
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.68	0.72	-1.09
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.08	-0.17	-0.51
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.31	0.33	-0.49
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.31	0.33	-0.49
Baton Rouge, LA	Ozone	Moderate	50	-	-7.35	-12.60	-25.87
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-23.60	-40.33	-82.09
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Billings, MT	CO	Maintenance	100	-	-3.92	-6.70	-13.64
Birmingham, AL	Ozone	Maintenance	100	-	-0.24	-0.49	-1.39

Appendix B

Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.24	-0.49	-1.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.04	-0.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.09	0.09	-0.14
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.53	0.56	-0.84
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.07	-0.11
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.12	0.13	-0.19
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.60	-1.04	-2.24
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.60	-1.04	-2.24
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.03	-0.05
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.05
Charlotte, NC	CO	Maintenance	100	-	0.07	0.08	-0.12
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.17	0.18	-0.27
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-0.09
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.08
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-10.27	-18.02	-39.33
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-10.25	-17.99	-39.37
Chico, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.22	-0.32

Appendix B

Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.21	-0.32
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.15	0.16	-0.24
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.03	-0.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Cleveland, OH	CO	Maintenance	100	-	0.10	0.11	-0.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.27	0.29	-0.43
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.25	0.26	-0.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.06	0.07	-0.10
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.06	-0.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.11
Columbus, OH	Ozone	Maintenance	100	-	0.17	0.18	-0.27
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.16	0.17	-0.25
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.10	0.11	-0.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.08	0.09	-0.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.70	0.75	-1.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.09	0.09	-0.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-0.12
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.51	-7.91	-17.20
Denver-Boulder, CO	CO	Maintenance	100	-	-4.53	-7.92	-17.18
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.45	-7.84	-17.29
Detroit, MI	CO	Maintenance	100	-	-3.56	-6.20	-13.22
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.38	-7.79	-17.62
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.39	-7.80	-17.61

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Table B.1-141							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-8.68	-14.84	-30.23
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.58	-4.45	-9.22
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.03	-0.04
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.02	-0.04
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.05
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.05
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.02	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.04	-0.06
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.04	-0.07

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Table B.1-141							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.06	0.06	-0.10
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.09	-0.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.17	0.18	-0.27
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	-0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.17	0.18	-0.27
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.13
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.10	-0.15
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.09	-0.14
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.12	-0.18
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-35.51	-61.02	-126.14
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-4.73	-8.10	-16.57
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-4.74	-8.11	-16.55
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.02	-0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.21	0.22	-0.33
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.17	-0.26
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.04
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.08
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	0.18	-0.27
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.02	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.13	-0.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.15
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.05
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.07
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.07
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.08
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Las Vegas, NV	CO	Serious	100	-	0.15	0.16	-0.24
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	0.16	-0.24
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-6.03	-10.31	-21.00
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.01

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Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-15.57	-27.61	-61.91
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-15.57	-27.61	-61.91
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-15.57	-27.61	-61.91
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-15.57	-27.61	-61.91
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-15.57	-27.61	-61.91
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.07	-0.11
Louisville, KY-IN	Ozone	Maintenance	100	-	0.12	0.13	-0.19
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.12	-0.18
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.03	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Macon, GA	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.04
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.05
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.05
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.76	-3.07	-6.64
Memphis, TN	CO	Maintenance	100	-	-1.77	-3.08	-6.62
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.06	0.06	-0.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.19	-0.29
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.30	0.31	-0.47
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.29	0.30	-0.46
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Modesto, CA	CO	Maintenance	100	-	0.03	0.03	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	0.18	-0.27
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.09	-0.13
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.05	0.05	-0.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.13	-2.46	-8.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.14	-2.94	-11.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.15	-2.96	-11.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01

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Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-6.57	-11.33	-23.64
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Perth Amboy, NJ	CO	Maintenance	100	-	-0.71	-1.22	-2.52
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.04	-0.07
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-9.98	-17.35	-36.98
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.79	-17.17	-37.42
Phoenix, AZ	CO	Maintenance	100	-	0.45	0.47	-0.74
Phoenix, AZ	PM ₁₀	Serious	70	-	0.46	0.49	-0.76
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.47	0.49	-0.76
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.21	0.22	-0.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.20	-0.31
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.06	-0.09

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Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.08	0.06	-0.33
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.15	-0.22
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.11	-0.16
Provo, UT	CO	Maintenance	100	-	0.02	0.02	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.14	-0.21
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.18	0.19	-0.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.06
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.06
Reno, NV	CO	Maintenance	100	-	0.03	0.03	-0.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.12	-0.24
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.06	0.07	-0.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.14	0.15	-0.22
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.15	0.16	-0.23
Sacramento Metro, CA	Ozone	Severe	25	-	0.26	0.28	-0.42
Sacramento, CA	CO	Maintenance	100	-	0.16	0.17	-0.26
Salem, OR	CO	Maintenance	100	-	0.01	0.01	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	-1.66	-2.85	-5.88

Appendix B

Table B.1-141							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.58	-2.76	-6.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.11	0.11	-0.17
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	0.20	-0.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.05	-0.07
San Diego, CA	CO	Maintenance	100	-	0.41	0.44	-0.66
San Diego, CA	Ozone	Former Subpart 1	50	-	0.42	0.44	-0.66
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-13.27	-23.09	-49.33
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-13.18	-22.99	-49.47
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.33	0.26	-1.15
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.33	0.27	-1.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.33	0.26	-1.15
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.07	-0.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	0.32	-0.48
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.05	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.05
Spokane, WA	CO	Maintenance	100	-	0.03	0.03	-0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.10	-0.15
Springfield, MA	CO	Maintenance	100	-	0.01	0.02	-0.02
St. Louis, MO	CO	Maintenance	100	-	0.10	0.10	-0.16
St. Louis, MO-IL	Ozone	Moderate	50	-	-26.76	-45.90	-94.43
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-26.76	-45.91	-94.43

Appendix B

Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.07	-0.18
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.07	-0.18
Stockton, CA	CO	Maintenance	100	-	0.05	0.05	-0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.06	-0.09
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Toledo, OH	Ozone	Maintenance	100	-	-6.24	-10.69	-21.93
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.02
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.10	0.11	-0.16
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.05	-0.08
Vancouver, WA	CO	Maintenance	100	-	0.03	0.03	-0.05
Ventura County, CA	Ozone	Serious	50	-	0.08	0.07	-0.16
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.04
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.17	-0.26

Appendix B

Table B.1-141
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.55	0.58	-0.87
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.54	0.57	-0.86
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.03	-0.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.85	-4.88	-9.94
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.02	0.02	-0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.04	-0.07
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.04
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.07
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.06
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.07	0.07	-0.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.32	0.36	-2.43
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.16	-1.12
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.28
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.17	-1.13
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.19
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.32
Anchorage, AK	CO	Maintenance	100	-	0.04	0.04	-0.27
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	1.68	1.86	-12.73
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.68	1.86	-12.74
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.10
Bakersfield, CA	CO	Maintenance	100	-	-0.18	-0.43	-1.69
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.02
Baltimore, MD	Ozone	Moderate	50	-	0.75	0.83	-5.68
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.75	0.83	-5.68
Baton Rouge, LA	Ozone	Moderate	50	-	-16.96	-32.64	-51.60
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-54.50	-104.50	-160.77
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.34
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.04	-0.28
Billings, MT	CO	Maintenance	100	-	-9.06	-17.37	-26.73
Birmingham, AL	Ozone	Maintenance	100	-	-0.55	-1.27	-4.30

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.55	-1.27	-4.30
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.09	-0.62
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.09	-0.62
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Boston, MA	CO	Maintenance	100	-	0.21	0.24	-1.62
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.28	1.42	-9.70
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.16	0.18	-1.24
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.32	-2.19
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.38	-2.71	-4.83
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.38	-2.71	-4.83
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.08	-0.53
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.53
Charlotte, NC	CO	Maintenance	100	-	0.18	0.21	-1.40
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.41	0.46	-3.13
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.15	-1.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.14	-0.95
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-23.64	-46.72	-87.89
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-23.58	-46.65	-88.34
Chico, CA	CO	Maintenance	100	-	0.03	0.03	-0.21
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.48
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.49	0.55	-3.74

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.48	0.53	-3.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.38	0.42	-2.86
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.07	-0.49
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.34
Cleveland, OH	CO	Maintenance	100	-	0.23	0.26	-1.78
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.65	0.72	-4.89
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.60	0.66	-4.51
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.16	0.18	-1.22
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.11
Colorado Springs, CO	CO	Maintenance	100	-	0.15	0.16	-1.12
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.16	0.18	-1.24
Columbus, OH	Ozone	Maintenance	100	-	0.42	0.47	-3.19
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.39	0.43	-2.96
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.23	0.26	-1.78
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.19	0.21	-1.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.75	1.94	-13.25
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.21	0.23	-1.59
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.21	-1.40
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-10.38	-20.49	-38.28
Denver-Boulder, CO	CO	Maintenance	100	-	-10.41	-20.52	-38.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-10.22	-20.32	-39.45
Detroit, MI	CO	Maintenance	100	-	-8.20	-16.03	-28.22
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-10.06	-20.22	-41.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-10.08	-20.24	-41.52

Appendix B

Table B.1-142							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.15
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-20.05	-38.45	-59.29
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-5.96	-11.52	-18.75
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.06
Erie, PA	Ozone	Maintenance	100	-	0.06	0.06	-0.43
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.06	-0.44
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.06	-0.42
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.48
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.62
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.56
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.13	0.14	-0.99
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.05	-0.34
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.10	-0.69
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.29
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.25
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.12	-0.79

Appendix B

Table B.1-142							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Fresno, CA	CO	Maintenance	100	-	0.15	0.16	-1.12
Grand Rapids, MI	Ozone	Maintenance	100	-	0.20	0.23	-1.54
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	-0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.41	0.46	-3.12
Greeley, CO	CO	Maintenance	100	-	0.03	0.03	-0.23
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.23
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.41	0.45	-3.08
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.22	-1.52
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.23	0.25	-1.70
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.22
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.21	0.24	-1.63
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.20	0.22	-1.50
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.27	0.30	-2.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.34
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.56
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-81.95	-158.14	-254.99
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-10.92	-20.99	-32.81
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-10.96	-21.03	-32.55
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.06	-0.42
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.06	-0.41
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.50	0.56	-3.81
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.40	0.44	-3.02
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.15
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.29
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.03	-0.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.41
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.19
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.21
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.14	-0.96
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.42	0.46	-3.17
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.04	-0.27
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.16
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.09

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Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.30	0.33	-2.26
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.23	0.26	-1.75
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.08	0.08	-0.58
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.12
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.11	0.13	-0.86
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.13	-0.86
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.13	-0.91
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.18
Las Vegas, NV	CO	Serious	100	-	0.38	0.42	-2.86
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.38	0.42	-2.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.17
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.03
Lima, OH	Ozone	Maintenance	100	-	-13.94	-26.72	-41.13
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	-0.17
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.09

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Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-35.73	-71.55	-144.96
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-35.73	-71.55	-144.96
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-35.73	-71.55	-144.96
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-35.73	-71.55	-144.96
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-35.73	-71.55	-144.96
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.17	0.19	-1.31
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.31	-2.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.30	-2.07
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	-0.22
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.08	-0.57
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Macon, GA	Ozone	Maintenance	100	-	0.05	0.06	-0.40
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.39
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.06	0.07	-0.47
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.15
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.19
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.09	-0.59
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.61
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.15
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.35
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.06	-7.97	-14.51
Memphis, TN	CO	Maintenance	100	-	-4.08	-8.00	-14.36
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.06

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Table B.1-142							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.15	-1.00
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.45	0.50	-3.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.72	0.80	-5.47
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.70	0.78	-5.32
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.12
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.11
Modesto, CA	CO	Maintenance	100	-	0.08	0.09	-0.59
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.20
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.22
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.25
Nashua, NH	CO	Maintenance	100	-	0.02	0.02	-0.12
Nashville, TN	Ozone	Former Subpart 1	50	-	0.41	0.46	-3.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.26
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.20	0.22	-1.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.13	-0.87
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.53	-6.44	-28.02
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.47	-7.73	-46.35
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.50	-7.77	-46.11
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-15.17	-29.38	-48.60
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.13
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.13
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.20
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.28
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.28
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	-0.19
Perth Amboy, NJ	CO	Maintenance	100	-	-1.65	-3.17	-5.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.10	0.11	-0.74
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-23.01	-44.99	-79.12
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-22.56	-44.53	-83.27
Phoenix, AZ	CO	Maintenance	100	-	1.17	1.29	-8.98
Phoenix, AZ	PM ₁₀	Serious	70	-	1.21	1.33	-9.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.21	1.33	-9.28
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.50	0.55	-3.82
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.45	0.50	-3.49
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.14	0.15	-1.07

Appendix B

Table B.1-142							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.20	0.15	-2.46
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Poughkeepsie, NY	Ozone	Moderate	50	-	0.34	0.38	-2.59
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.25	0.27	-1.87
Provo, UT	CO	Maintenance	100	-	0.04	0.05	-0.31
Raleigh-Durham, NC	CO	Maintenance	100	-	0.33	0.36	-2.48
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.45	0.49	-3.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.63
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.63
Reno, NV	CO	Maintenance	100	-	0.06	0.07	-0.46
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.28	0.29	-2.39
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.16	0.18	-1.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.50
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.15
Rochester, NY	Ozone	Former Subpart 1	50	-	0.34	0.37	-2.54
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.05	-0.35
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.23
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.38	0.42	-2.84
Sacramento Metro, CA	Ozone	Severe	25	-	0.68	0.75	-5.11
Sacramento, CA	CO	Maintenance	100	-	0.42	0.46	-3.17
Salem, OR	CO	Maintenance	100	-	0.03	0.04	-0.25
Salt Lake City, UT	CO	Maintenance	100	-	-3.84	-7.39	-11.80

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.63	-7.17	-13.35
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.26	0.29	-1.95
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.47	0.52	-3.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.11	0.12	-0.82
San Diego, CA	CO	Maintenance	100	-	1.04	1.16	-7.89
San Diego, CA	Ozone	Former Subpart 1	50	-	1.04	1.16	-7.91
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-30.55	-59.82	-106.39
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-30.33	-59.58	-108.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.85	0.71	-9.49
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.86	0.71	-9.53
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.85	0.71	-9.49
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.19	-1.27
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.75	0.83	-5.67
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.23
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.13	-0.86
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.37
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.56
Spokane, WA	CO	Maintenance	100	-	0.07	0.08	-0.56
Springfield (western MA), MA	Ozone	Moderate	50	-	0.22	0.25	-1.69
Springfield, MA	CO	Maintenance	100	-	0.04	0.04	-0.27
St. Louis, MO	CO	Maintenance	100	-	0.23	0.25	-1.74
St. Louis, MO-IL	Ozone	Moderate	50	-	-61.79	-118.98	-188.87
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-61.79	-118.98	-188.84

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.32
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.08	-0.18	-0.50
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.08	-0.18	-0.50
Stockton, CA	CO	Maintenance	100	-	0.12	0.13	-0.88
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.14	-0.97
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.25
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.11
Toledo, OH	Ozone	Maintenance	100	-	-14.40	-27.70	-43.65
Toms River, NJ	CO	Maintenance	100	-	0.02	0.03	-0.19
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	-0.19
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.17
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.25	0.28	-1.89
Utah County, UT	PM ₁₀	Moderate	100	-	0.12	0.13	-0.92
Vancouver, WA	CO	Maintenance	100	-	0.08	0.09	-0.59
Ventura County, CA	Ozone	Serious	50	-	0.19	0.20	-1.65
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.04	-0.25
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	-0.11
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.40
Washington, DC-MD-VA	CO	Maintenance	100	-	0.39	0.44	-2.97

Appendix B

Table B.1-142
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.35	1.50	-10.25
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.33	1.47	-10.03
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.07	-0.46
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.14
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.60	-12.65	-19.52
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.28
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.28
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.11	-0.78
Worcester, MA	CO	Maintenance	100	-	0.05	0.06	-0.41
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.18
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.07
York, PA	Ozone	Maintenance	100	-	0.11	0.12	-0.84
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.66
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.16	0.18	-1.21
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.05	-0.35

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.81	0.75	-17.45
Albuquerque, NM	CO	Maintenance	100	-	0.37	0.34	-7.94
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.10	0.09	-2.11
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.37	0.35	-8.05
Altoona, PA	Ozone	Maintenance	100	-	0.06	0.05	-1.28
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.13	0.12	-2.75
Anchorage, AK	CO	Maintenance	100	-	0.10	0.09	-2.06
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.10
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.10
Atlanta, GA	Ozone	Moderate	50	-	4.42	4.11	-95.39
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	4.43	4.11	-95.43
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.03	-0.67
Bakersfield, CA	CO	Maintenance	100	-	-0.16	-0.87	-7.82
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.13
Baltimore, MD	Ozone	Moderate	50	-	1.94	1.80	-41.76
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.94	1.80	-41.76
Baton Rouge, LA	Ozone	Moderate	50	-	-26.75	-67.45	-95.20
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-86.40	-215.96	-277.44
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.10	0.10	-2.22
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.35
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.10	0.09	-2.06
Billings, MT	CO	Maintenance	100	-	-14.35	-35.89	-46.23
Birmingham, AL	Ozone	Maintenance	100	-	-0.67	-2.63	-17.31
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.67	-2.63	-17.36

Appendix B

Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.21	0.20	-4.61
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.21	0.20	-4.61
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.25
Boston, MA	CO	Maintenance	100	-	0.53	0.49	-11.37
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.22	3.00	-69.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.42	0.39	-9.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.01	-0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.71	0.66	-15.23
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.09
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.25
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.29
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.14	-5.61	-11.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.14	-5.61	-11.06
Case County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.57
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.08
Charleston, WV	Ozone	Maintenance	100	-	0.16	0.15	-3.44
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.16	0.15	-3.44
Charlotte, NC	CO	Maintenance	100	-	0.49	0.46	-10.57
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.08	1.01	-23.33
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.33	0.31	-7.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.30	0.28	-6.63
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-35.78	-96.38	-224.69
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-35.62	-96.24	-228.02
Chico, CA	CO	Maintenance	100	-	0.08	0.08	-1.77
Chico, CA	Ozone	Former Subpart 1	50	-	0.18	0.17	-3.88
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.24	1.16	-26.80
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.20	1.12	-25.97
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.17

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	1.05	0.98	-22.63
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.17	0.16	-3.67
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.11	0.10	-2.37
Cleveland, OH	CO	Maintenance	100	-	0.53	0.50	-11.48
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.57	1.46	-33.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.44	1.34	-31.00
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.47	0.43	-10.05
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.03	-0.73
Colorado Springs, CO	CO	Maintenance	100	-	0.40	0.37	-8.62
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	0.41	0.38	-8.84
Columbus, OH	Ozone	Maintenance	100	-	1.12	1.04	-24.11
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.04	0.97	-22.41
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.53	0.50	-11.49
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.44	0.41	-9.55
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	4.73	4.39	-101.90
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.50	0.46	-10.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.44	0.41	-9.48
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-15.66	-42.20	-98.54
Denver-Boulder, CO	CO	Maintenance	100	-	-15.75	-42.28	-96.65
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-15.25	-41.82	-107.43
Detroit, MI	CO	Maintenance	100	-	-12.53	-32.69	-61.74
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-14.92	-41.75	-118.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-14.97	-41.80	-117.16
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.52
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.46
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.37

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	0.05	0.04	-1.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.13
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-31.77	-79.46	-102.88
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-9.34	-23.79	-37.11
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	-0.42
Erie, PA	Ozone	Maintenance	100	-	0.14	0.13	-2.95
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.15	0.14	-3.20
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.14	0.13	-3.07
Evansville, IN	Ozone	Maintenance	100	-	0.16	0.15	-3.37
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.20	0.19	-4.30
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.25
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.18	0.17	-3.99
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.11
Flint, MI	Ozone	Maintenance	100	-	0.32	0.29	-6.81
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.12	0.11	-2.61
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.23	0.21	-4.94
Franklin County, PA	Ozone	Maintenance	100	-	0.10	0.09	-2.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.08	0.08	-1.78
Fredericksburg, VA	Ozone	Maintenance	100	-	0.29	0.27	-6.19
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.27
Fresno, CA	CO	Maintenance	100	-	0.39	0.36	-8.55
Grand Rapids, MI	Ozone	Maintenance	100	-	0.53	0.49	-11.44
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.51

Appendix B

Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.49
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.23
Greater Connecticut, CT	Ozone	Moderate	50	-	1.00	0.93	-21.60
Greeley, CO	CO	Maintenance	100	-	0.08	0.08	-1.75
Green Bay, WI	SO _x	Maintenance	100	-	0.08	0.07	-1.69
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.65
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.59
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.00	0.93	-21.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.49	0.46	-10.59
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.54	0.50	-11.68
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.30
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.07	0.07	-1.57
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.56	0.52	-11.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.51	0.48	-11.05
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.64	0.60	-13.80
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.15
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.03	-0.58
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.53
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.11	0.10	-2.28
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.18	0.16	-3.83
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-128.62	-326.66	-494.45
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-17.28	-43.38	-58.72
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-17.36	-43.46	-56.87

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.37
Imperial County, CA	Ozone	Moderate	50	-	0.15	0.14	-3.28
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.15	0.14	-3.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.43
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.30	1.21	-27.96
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.03	0.96	-22.21
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.05	-1.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.09	0.09	-2.04
Jefferson County, NY	Ozone	Moderate	50	-	0.08	0.07	-1.65
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.13	0.12	-2.81
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.05	-1.17
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-1.28
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.31	0.29	-6.66
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.43
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.08	1.01	-23.33
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.09	-2.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.37
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.05	0.05	-1.10
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.32
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.15
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.03	-0.64
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.80	0.74	-17.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.61	0.56	-13.09
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.44
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.20

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Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	0.18	0.17	-3.87
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.47
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.49
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.05	0.05	-1.08
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.27
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.11
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.29	0.27	-6.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.29	0.27	-6.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.30	0.28	-6.41
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.05	-1.22
Las Vegas, NV	CO	Serious	100	-	1.05	0.98	-22.63
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.06	0.99	-22.90
Lauderdale County, AL	SO _x	Maintenance	100	-	0.05	0.05	-1.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.17
Lima, OH	Ozone	Maintenance	100	-	-22.09	-55.23	-71.05
Longmont, CO	CO	Maintenance	100	-	0.06	0.06	-1.36
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.03	-0.62
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-52.71	-147.28	-414.57
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-52.71	-147.28	-414.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-52.71	-147.28	-414.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-52.71	-147.28	-414.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-52.71	-147.29	-414.56
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	0.46	0.43	-9.94

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Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	0.69	0.64	-14.85
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.66	0.61	-14.24
Lowell, MA	CO	Maintenance	100	-	0.07	0.07	-1.60
Lucas County, OH	SO _x	Maintenance	100	-	0.17	0.16	-3.77
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.81
Macon, GA	Ozone	Maintenance	100	-	0.12	0.11	-2.61
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.12	0.11	-2.58
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.17	0.16	-3.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.16
Manchester, NH	CO	Maintenance	100	-	0.04	0.04	-0.96
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.06	0.06	-1.31
Marion County, IN	SO _x	Maintenance	100	-	0.19	0.17	-3.99
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.08	-1.77
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.20	0.19	-4.31
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.36
Medford, OR	CO	Maintenance	100	-	0.05	0.05	-1.17
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.13	0.12	-2.81
Memphis, TN-AR	Ozone	Maintenance	100	-	-6.24	-16.50	-34.23
Memphis, TN	CO	Maintenance	100	-	-6.29	-16.54	-33.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.43
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	0.32	0.29	-6.80
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.13	1.05	-24.27
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.86	1.73	-40.14
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.81	1.68	-39.00
Missoula, MT	CO	Maintenance	100	-	0.04	0.04	-0.85

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Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.82
Modesto, CA	CO	Maintenance	100	-	0.22	0.20	-4.74
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.07	0.07	-1.61
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.49
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.02	-0.37
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.06	-1.40
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.21
Muskegon, MI	Ozone	Maintenance	100	-	0.08	0.08	-1.76
Nashua, NH	CO	Maintenance	100	-	0.04	0.03	-0.78
Nashville, TN	Ozone	Former Subpart 1	50	-	1.07	1.00	-23.08
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.11	0.10	-2.35
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.09	0.09	-2.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.47	0.44	-10.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	0.27	0.25	-5.72
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.34	-13.34	-125.84
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.56	-15.91	-230.58
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.65	-15.99	-228.81
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.57
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-23.72	-60.72	-98.59
Ogden, UT	CO	Maintenance	100	-	0.04	0.04	-0.92
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.92
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.26
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.07	0.07	-1.57

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Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	0.08	-1.87
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.08	-1.89
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.28
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.05	-1.28
Perth Amboy, NJ	CO	Maintenance	100	-	-2.59	-6.55	-9.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.22	0.21	-4.83
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-35.56	-92.99	-179.05
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-34.36	-92.04	-207.47
Phoenix, AZ	CO	Maintenance	100	-	3.54	3.26	-76.68
Phoenix, AZ	PM ₁₀	Serious	70	-	3.63	3.35	-78.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.64	3.36	-79.00
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.01	-0.36
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.20	1.10	-26.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.09	1.00	-23.76
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.28
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.35	0.32	-7.59
Portland, OR	CO	Maintenance	100	-	0.58	0.31	-15.91
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.57
Poughkeepsie, NY	Ozone	Moderate	50	-	0.93	0.87	-20.09
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.11
Providence (entire State), RI	Ozone	Moderate	50	-	0.63	0.59	-13.57
Provo, UT	CO	Maintenance	100	-	0.11	0.10	-2.40
Raleigh-Durham, NC	CO	Maintenance	100	-	0.87	0.81	-18.85

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Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.19	1.10	-25.63
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.21	0.19	-4.44
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.21	0.19	-4.44
Reno, NV	CO	Maintenance	100	-	0.15	0.14	-3.30
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.72	0.61	-16.55
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.03	-0.74
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.47	0.43	-10.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.16	0.15	-3.41
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.05	0.05	-1.12
Rochester, NY	Ozone	Former Subpart 1	50	-	0.83	0.77	-17.86
Rocky Mount, NC	Ozone	Maintenance	100	-	0.11	0.10	-2.40
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.07	-1.59
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.07	0.99	-22.97
Sacramento Metro, CA	Ozone	Severe	25	-	1.95	1.82	-42.13
Sacramento, CA	CO	Maintenance	100	-	1.20	1.11	-25.82
Salem, OR	CO	Maintenance	100	-	0.08	0.07	-1.73
Salt Lake City, UT	CO	Maintenance	100	-	-6.03	-15.27	-22.36
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.51	-14.79	-33.66
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.66	0.62	-14.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.21	1.13	-26.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.29	0.27	-6.17
San Diego, CA	CO	Maintenance	100	-	2.90	2.69	-62.43
San Diego, CA	Ozone	Former Subpart 1	50	-	2.90	2.70	-62.55
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-46.74	-123.32	-252.72

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-46.19	-122.82	-264.48
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.75	1.83	-70.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.76	1.84	-70.84
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.75	1.83	-70.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.50
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.41	0.39	-8.93
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.96	1.82	-42.27
Sheboygan, WI	Ozone	Moderate	50	-	0.08	0.07	-1.64
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.29
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.24
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.28	0.26	-6.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.08	0.04	-2.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.19	0.18	-4.18
Spokane, WA	CO	Maintenance	100	-	0.19	0.18	-4.13
Springfield (western MA), MA	Ozone	Moderate	50	-	0.55	0.51	-11.91
Springfield, MA	CO	Maintenance	100	-	0.09	0.09	-1.99
St. Louis, MO	CO	Maintenance	100	-	0.51	0.47	-10.97
St. Louis, MO-IL	Ozone	Moderate	50	-	-97.45	-245.93	-350.06
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-97.46	-245.94	-349.80
State College, PA	Ozone	Maintenance	100	-	0.11	0.10	-2.42
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.29
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.53
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.12	-0.38	-1.72
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.12	-0.38	-1.72
Stockton, CA	CO	Maintenance	100	-	0.33	0.31	-7.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.31	0.29	-6.65

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Table B.1-143							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	0.07	-1.61
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.71
Toledo, OH	Ozone	Maintenance	100	-	-22.74	-57.26	-79.58
Toms River, NJ	CO	Maintenance	100	-	0.07	0.06	-1.47
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	0.06	-1.40
Trenton, NJ	CO	Maintenance	100	-	0.06	0.05	-1.20
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Tucson, AZ	CO	Maintenance	100	-	0.66	0.62	-14.28
Utah County, UT	PM ₁₀	Moderate	100	-	0.32	0.30	-6.97
Vancouver, WA	CO	Maintenance	100	-	0.22	0.20	-4.64
Ventura County, CA	Ozone	Serious	50	-	0.56	0.48	-12.81
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	0.07	0.07	-1.61
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.03	-0.75
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.49
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.03	-0.23
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.13	0.12	-2.81
Washington, DC-MD-VA	CO	Maintenance	100	-	1.00	0.93	-21.47
Washington, DC-MD-VA	Ozone	Moderate	50	-	3.56	3.31	-76.85
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	3.49	3.24	-75.15
Washoe County, NV	PM ₁₀	Serious	70	-	0.15	0.14	-3.30
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.04	-0.87
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.50	-26.29	-34.31
Weirton, WV	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.11
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.15
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	0.08	-1.81

Appendix B

Table B.1-143
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-1.81
Winston-Salem, NC	CO	Maintenance	100	-	0.26	0.24	-5.59
Worcester, MA	CO	Maintenance	100	-	0.15	0.14	-3.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.06	-1.28
Yakima, WA	CO	Maintenance	100	-	0.03	0.02	-0.58
York, PA	Ozone	Maintenance	100	-	0.29	0.27	-6.20
York, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.21	-4.81
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.37	0.34	-7.93
Yuma, AZ	PM ₁₀	Moderate	100	-	0.13	0.12	-2.73

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	-0.01	-27.02
Albuquerque, NM	CO	Maintenance	100	-	0.03	-0.00	-12.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-3.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	-0.00	-12.41
Altoona, PA	Ozone	Maintenance	100	-	0.01	-0.00	-1.84
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-4.89
Anchorage, AK	CO	Maintenance	100	-	0.01	-0.00	-3.29
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.15
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.16
Atlanta, GA	Ozone	Moderate	50	-	0.42	-0.04	-152.95
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.42	-0.04	-153.00
Atlantic City, NJ	CO	Maintenance	100	-	0.00	-0.00	-1.00
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.70	-11.29
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.20
Baltimore, MD	Ozone	Moderate	50	-	0.18	-0.02	-65.92
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.18	-0.02	-65.92
Baton Rouge, LA	Ozone	Moderate	50	-	-2.17	-41.16	-73.48
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-7.03	-131.10	-193.89
Benton County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.00	-3.13
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.59
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.00	-3.26
Billings, MT	CO	Maintenance	100	-	-1.17	-21.79	-32.46
Birmingham, AL	Ozone	Maintenance	100	-	-0.05	-1.95	-22.57

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.05	-1.95	-22.65
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	-0.00	-7.36
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	-0.00	-7.36
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.43
Boston, MA	CO	Maintenance	100	-	0.05	-0.00	-17.32
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.30	-0.03	-107.44
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	-0.00	-14.34
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.18
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	-0.01	-22.90
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.34
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.49
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.17	-3.50	-10.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.17	-3.50	-10.54
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.86
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	-0.00	-0.10
Charleston, WV	Ozone	Maintenance	100	-	0.01	-0.00	-4.90
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-4.90
Charlotte, NC	CO	Maintenance	100	-	0.05	-0.00	-17.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	-0.01	-37.24
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	-0.01	-10.84
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	-0.01	-10.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-2.85	-61.05	-240.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-2.84	-61.05	-245.69
Chico, CA	CO	Maintenance	100	-	0.01	-0.00	-3.16
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	-0.00	-6.61
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	-0.01	-41.36

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	-0.01	-40.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.21
Clark County, NV	PM ₁₀	Serious	70	-	0.10	-0.01	-37.85
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	-0.00	-5.85
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	-0.00	-3.57
Cleveland, OH	CO	Maintenance	100	-	0.04	-0.00	-16.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.14	-0.01	-50.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.13	-0.01	-46.19
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.05	-0.00	-17.32
Colbert County, AL	SO _x	Maintenance	100	-	0.00	-0.00	-1.01
Colorado Springs, CO	CO	Maintenance	100	-	0.04	-0.00	-14.08
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	-0.00	-13.71
Columbus, OH	Ozone	Maintenance	100	-	0.11	-0.01	-38.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.10	-0.01	-36.20
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	-0.00	-16.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	-0.00	-13.88
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.46	-0.05	-166.67
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	-0.00	-15.81
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.00	-13.88
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-1.24	-26.74	-107.67
Denver-Boulder, CO	CO	Maintenance	100	-	-1.25	-26.73	-104.58
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-1.20	-26.74	-122.10
Detroit, MI	CO	Maintenance	100	-	-1.09	-21.53	-55.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-1.18	-26.95	-133.78
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-1.19	-26.95	-131.98

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.83
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.69
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.56
Duluth, MN	CO	Maintenance	100	-	0.00	-0.00	-1.50
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.21
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-2.58	-48.26	-72.47
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.76	-14.61	-31.38
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.63
Erie, PA	Ozone	Maintenance	100	-	0.01	-0.00	-4.35
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	-0.00	-5.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	-0.00	-4.86
Evansville, IN	Ozone	Maintenance	100	-	0.01	-0.00	-5.11
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-6.45
Fairbanks, AK	CO	Maintenance	100	-	0.00	-0.00	-0.41
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	-0.00	-6.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.17
Flint, MI	Ozone	Maintenance	100	-	0.03	-0.00	-10.19
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.01	-0.00	-4.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	-0.00	-7.60
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-3.30
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-2.74
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	-0.00	-10.29

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.48
Fresno, CA	CO	Maintenance	100	-	0.04	-0.01	-13.78
Grand Rapids, MI	Ozone	Maintenance	100	-	0.05	-0.01	-18.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.70
Grant County, NM	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.81
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.31
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	-0.01	-32.36
Greeley, CO	CO	Maintenance	100	-	0.01	-0.00	-2.80
Green Bay, WI	SO _x	Maintenance	100	-	0.01	-0.00	-2.61
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.00	-1.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.87
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	-0.01	-32.82
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	-0.00	-15.93
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	-0.00	-17.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.45
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	-0.00	-2.40
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	-0.01	-18.96
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.00	-17.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	-0.01	-20.39
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.24
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.97
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.10
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.83
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-3.33
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	-0.00	-5.70
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.04

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-10.42	-200.19	-408.89
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1.40	-26.41	-43.15
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1.41	-26.41	-40.36
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.54
Imperial County, CA	Ozone	Moderate	50	-	0.02	-0.00	-5.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.00	-5.34
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.64
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.12	-0.01	-44.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.10	-0.01	-35.11
Jackson County, IN	Ozone	Maintenance	100	-	0.00	-0.00	-1.57
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-3.07
Jefferson County, NY	Ozone	Moderate	50	-	0.01	-0.00	-2.50
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.12
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	-0.00	-4.17
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.00	-1.53
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-1.68
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.29
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	-0.00	-10.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.71
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.10	-0.01	-36.90
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	-0.00	-3.21
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.62
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-1.66
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.48
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.24
Klamath Falls, OR	CO	Maintenance	100	-	0.00	-0.00	-0.96

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.96
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.08	-0.01	-27.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.06	-0.01	-20.98
La Porte County, IN	SO _x	Maintenance	100	-	0.00	-0.00	-0.63
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.31
Lake County, IN	SO _x	Maintenance	100	-	0.02	-0.00	-5.62
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.70
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.00	-0.88
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	-0.00	-2.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.40
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.03	-0.00	-9.61
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.00	-9.61
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	-0.00	-9.81
LaPorte, IN	Ozone	Maintenance	100	-	0.00	-0.00	-1.74
Las Vegas, NV	CO	Serious	100	-	0.10	-0.01	-37.85
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.11	-0.01	-38.24
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	-0.00	-1.64
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.21
Lima, OH	Ozone	Maintenance	100	-	-1.80	-33.53	-49.72
Longmont, CO	CO	Maintenance	100	-	0.01	-0.00	-2.28
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.95

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-4.14	-95.09	-483.14
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-4.14	-95.09	-483.14
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-4.14	-95.09	-483.14
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-4.14	-95.09	-483.15
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-4.14	-95.09	-483.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	-0.00	-16.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	-0.01	-22.30
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	-0.01	-21.20
Lowell, MA	CO	Maintenance	100	-	0.01	-0.00	-2.58
Lucas County, OH	SO _x	Maintenance	100	-	0.02	-0.00	-5.44
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-1.15
Macon, GA	Ozone	Maintenance	100	-	0.01	-0.00	-3.73
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-3.68
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.05
Madison, WI	SO _x	Maintenance	100	-	0.02	-0.00	-5.98
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.31
Manchester, NH	CO	Maintenance	100	-	0.00	-0.00	-1.33
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	-0.00	-1.94
Marion County, IN	SO _x	Maintenance	100	-	0.02	-0.00	-5.82
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-3.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-6.62
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.56
Medford, OR	CO	Maintenance	100	-	0.01	-0.00	-1.96
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	-0.00	-4.73
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.50	-10.35	-33.33
Memphis, TN	CO	Maintenance	100	-	-0.51	-10.34	-31.98
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.72

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	-0.00	-10.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.10	-0.01	-37.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.18	-0.02	-63.24
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.17	-0.02	-61.39
Missoula, MT	CO	Maintenance	100	-	0.00	-0.00	-1.33
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-1.29
Modesto, CA	CO	Maintenance	100	-	0.02	-0.00	-7.95
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	-0.00	-2.75
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.06
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.84
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.00	-0.53
Muncie, IN	Ozone	Maintenance	100	-	0.01	-0.00	-1.93
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.12
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.00	-0.33
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.00	-2.71
Nashua, NH	CO	Maintenance	100	-	0.00	-0.00	-1.09
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	-0.01	-36.72
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-4.19
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	-0.00	-3.40
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	-0.00	-15.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.11
New York County, NY	PM ₁₀	Moderate	100	-	0.02	-0.00	-8.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.15	-10.83	-171.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	-14.95	-326.54
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.04	-14.95	-323.72
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.90

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Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-1.92	-37.38	-84.98
Ogden, UT	CO	Maintenance	100	-	0.00	-0.00	-1.37
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	-0.00	-1.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.36
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.00	-2.57
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.12
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.00	-2.77
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-2.79
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.45
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.01	-0.00	-1.87
Perth Amboy, NJ	CO	Maintenance	100	-	-0.21	-4.00	-7.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	-0.00	-6.82
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2.87	-57.95	-170.94
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-2.76	-58.10	-214.26
Phoenix, AZ	CO	Maintenance	100	-	0.37	-0.06	-135.06
Phoenix, AZ	PM ₁₀	Serious	70	-	0.38	-0.06	-138.50
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.38	-0.06	-138.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.19
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.67
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.11	-0.03	-38.51
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.10	-0.02	-35.17
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.41
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.08
Portland, ME	Ozone	Maintenance	100	-	0.03	-0.01	-11.64

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.05	-0.22	-23.81
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.85
Poughkeepsie, NY	Ozone	Moderate	50	-	0.09	-0.01	-33.05
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.16
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	-0.01	-21.22
Provo, UT	CO	Maintenance	100	-	0.01	-0.00	-3.95
Raleigh-Durham, NC	CO	Maintenance	100	-	0.08	-0.01	-30.60
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.11	-0.01	-41.48
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	0.02	-0.00	-6.73
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-6.73
Reno, NV	CO	Maintenance	100	-	0.01	-0.00	-5.08
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	-0.06	-25.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-1.26
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.05	-0.00	-17.32
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-5.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.00	-1.75
Rochester, NY	Ozone	Former Subpart 1	50	-	0.08	-0.01	-27.14
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	-0.00	-3.55
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-2.39
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.11	-0.01	-38.96
Sacramento Metro, CA	Ozone	Severe	25	-	0.20	-0.02	-72.28
Sacramento, CA	CO	Maintenance	100	-	0.12	-0.01	-43.85
Salem, OR	CO	Maintenance	100	-	0.01	-0.00	-2.59
Salt Lake City, UT	CO	Maintenance	100	-	-0.49	-9.34	-17.95

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.44	-9.35	-35.65
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	-0.01	-22.38
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.11	-0.01	-41.45
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	-0.00	-9.76
San Diego, CA	CO	Maintenance	100	-	0.29	-0.03	-104.27
San Diego, CA	Ozone	Former Subpart 1	50	-	0.29	-0.03	-104.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3.74	-77.24	-259.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3.69	-77.25	-277.71
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.29	-0.73	-117.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.29	-0.73	-117.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.29	-0.73	-117.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.82
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	-0.00	-13.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.19	-0.02	-67.41
Sheboygan, WI	Ozone	Moderate	50	-	0.01	-0.00	-2.57
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.43
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.38
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	-0.00	-9.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	-0.02	-2.48
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.00	-6.64
Spokane, WA	CO	Maintenance	100	-	0.02	-0.00	-6.56
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	-0.01	-18.11
Springfield, MA	CO	Maintenance	100	-	0.01	-0.00	-3.18
St. Louis, MO	CO	Maintenance	100	-	0.04	-0.00	-15.00
St. Louis, MO-IL	Ozone	Moderate	50	-	-7.92	-150.15	-269.71
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-7.92	-150.15	-269.34

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	-0.00	-3.87
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.51
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.74
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.26	-2.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.26	-2.03
Stockton, CA	CO	Maintenance	100	-	0.03	-0.00	-12.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	-0.00	-9.83
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	-0.00	-2.24
Tioga County, PA	Ozone	Maintenance	100	-	0.00	-0.00	-1.02
Toledo, OH	Ozone	Maintenance	100	-	-1.85	-34.91	-60.03
Toms River, NJ	CO	Maintenance	100	-	0.01	-0.00	-2.47
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	-0.00	-2.20
Trenton, NJ	CO	Maintenance	100	-	0.01	-0.00	-1.88
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.08
Tucson, AZ	CO	Maintenance	100	-	0.06	-0.01	-23.09
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	-0.00	-11.27
Vancouver, WA	CO	Maintenance	100	-	0.02	-0.00	-7.69
Ventura County, CA	Ozone	Serious	50	-	0.06	-0.05	-21.42
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.13
Vigo County, IN	SO _x	Maintenance	100	-	0.01	-0.00	-2.24
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	-0.00	-1.14
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.00	-0.76
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.03	-0.28
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.00	-4.24
Washington, DC-MD-VA	CO	Maintenance	100	-	0.10	-0.01	-34.42

Appendix B

Table B.1-144
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.34	-0.03	-123.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.33	-0.03	-120.47
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	-0.00	-5.08
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.00	-1.20
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.89	-16.65	-26.20
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.12
Weirton, WV	SO _x	Maintenance	100	-	0.00	-0.00	-0.18
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	-0.00	-2.51
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-2.51
Winston-Salem, NC	CO	Maintenance	100	-	0.02	-0.00	-8.64
Worcester, MA	CO	Maintenance	100	-	0.01	-0.00	-5.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	-0.00	-1.98
Yakima, WA	CO	Maintenance	100	-	0.00	-0.00	-0.98
York, PA	Ozone	Maintenance	100	-	0.03	-0.00	-9.77
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-7.56
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	-0.00	-11.27
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-4.49

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-1.17	-2.05	-4.65
Albuquerque, NM	CO	Maintenance	100	-	-0.54	-0.95	-2.16
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.13	-0.23	-0.52
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.54	-0.95	-2.16
Altoona, PA	Ozone	Maintenance	100	-	-0.10	-0.18	-0.40
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.14	-0.25	-0.56
Anchorage, AK	CO	Maintenance	100	-	-0.13	-0.22	-0.50
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Atlanta, GA	Ozone	Moderate	50	-	-6.03	-10.56	-24.02
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-6.03	-10.57	-24.03
Atlantic City, NJ	CO	Maintenance	100	-	-0.05	-0.08	-0.19
Bakersfield, CA	CO	Maintenance	100	-	-1.93	-3.32	-4.66
Baltimore, MD	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Baltimore, MD	Ozone	Moderate	50	-	-2.71	-4.75	-10.80
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-2.71	-4.75	-10.80
Baton Rouge, LA	Ozone	Moderate	50	-	-17.21	-29.55	-35.87
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-230.51	-395.42	-463.81
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.17	-0.30	-0.68
Benzie County, MI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.08
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.13	-0.23	-0.53
Billings, MT	CO	Maintenance	100	-	-32.76	-56.19	-65.94
Birmingham, AL	Ozone	Maintenance	100	-	-0.98	-1.71	-3.82

Appendix B

Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.98	-1.71	-3.83
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.29	-0.51	-1.17
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.29	-0.51	-1.17
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.06
Boston, MA	CO	Maintenance	100	-	-0.79	-1.38	-3.13
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-4.67	-8.18	-18.61
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.59	-1.03	-2.35
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-1.06	-1.87	-4.25
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.08
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.80	-3.10	-4.16
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.80	-3.10	-4.16
Case County, MI	Ozone	Maintenance	100	-	-0.04	-0.07	-0.16
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Charleston, WV	Ozone	Maintenance	100	-	-0.26	-0.46	-1.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.26	-0.46	-1.04
Charlotte, NC	CO	Maintenance	100	-	-0.66	-1.16	-2.63
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-1.48	-2.60	-5.92
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.51	-0.89	-2.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.46	-0.80	-1.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-156.05	-267.91	-326.17
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-156.27	-268.30	-327.04
Chico, CA	CO	Maintenance	100	-	-0.09	-0.16	-0.37
Chico, CA	Ozone	Former Subpart 1	50	-	-0.22	-0.38	-0.87
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-1.80	-3.16	-7.19

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-1.75	-3.07	-6.98
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.05
Clark County, NV	PM ₁₀	Serious	70	-	-1.32	-2.32	-5.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.23	-0.41	-0.93
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.17	-0.29	-0.66
Cleveland, OH	CO	Maintenance	100	-	-0.88	-1.55	-3.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-2.38	-4.17	-9.49
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-2.20	-3.85	-8.76
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.55	-0.97	-2.21
Colbert County, AL	SO _x	Maintenance	100	-	-0.06	-0.10	-0.22
Colorado Springs, CO	CO	Maintenance	100	-	-0.53	-0.92	-2.10
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.60	-1.04	-2.37
Columbus, OH	Ozone	Maintenance	100	-	-1.51	-2.64	-6.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-1.40	-2.45	-5.57
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.88	-1.55	-3.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.72	-1.26	-2.87
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-6.21	-10.89	-24.77
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.78	-1.36	-3.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.69	-1.21	-2.74
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-19.37	-33.32	-44.19
Denver-Boulder, CO	CO	Maintenance	100	-	-19.25	-33.12	-43.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-19.92	-34.28	-46.38
Detroit, MI	CO	Maintenance	100	-	-7.02	-12.11	-17.07
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-11.78	-20.36	-32.05
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-11.70	-20.22	-31.73

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.13
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.13
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.03	-0.04	-0.10
Duluth, MN	CO	Maintenance	100	-	-0.08	-0.13	-0.30
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-38.94	-66.80	-78.60
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.89	-8.41	-10.69
El Paso, TX	CO	Maintenance	100	-	-0.03	-0.05	-0.11
Erie, PA	Ozone	Maintenance	100	-	-0.21	-0.37	-0.84
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.21	-0.37	-0.83
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.20	-0.35	-0.80
Evansville, IN	Ozone	Maintenance	100	-	-0.23	-0.41	-0.93
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.30	-0.53	-1.20
Fairbanks, AK	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.27	-0.47	-1.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Flint, MI	Ozone	Maintenance	100	-	-0.48	-0.84	-1.91
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.16	-0.27	-0.62
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.33	-0.59	-1.33
Franklin County, PA	Ozone	Maintenance	100	-	-0.14	-0.24	-0.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.12	-0.21	-0.48
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.37	-0.64	-1.46

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Fresno, CA	CO	Maintenance	100	-	-0.53	-0.92	-2.10
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.73	-1.28	-2.92
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.15
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.12
Great Falls, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Greater Connecticut, CT	Ozone	Moderate	50	-	-1.52	-2.66	-6.06
Greeley, CO	CO	Maintenance	100	-	-0.11	-0.19	-0.44
Green Bay, WI	SO _x	Maintenance	100	-	-0.11	-0.20	-0.45
Greene County, IN	Ozone	Maintenance	100	-	-0.04	-0.08	-0.18
Greene County, PA	Ozone	Maintenance	100	-	-0.04	-0.07	-0.17
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-1.49	-2.62	-5.95
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.74	-1.30	-2.95
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.83	-1.46	-3.32
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.08
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.11	-0.18	-0.42
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.77	-1.36	-3.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.71	-1.25	-2.85
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.99	-1.73	-3.94
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.03	-0.06	-0.14
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Hazelwood, PA	SO _x	Maintenance	100	-	-0.04	-0.07	-0.15
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.17	-0.29	-0.66
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.27	-0.48	-1.08
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01

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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-72.10	-123.87	-154.92
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.97	-6.83	-8.54
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.85	-6.60	-8.03
Huron County, MI	Ozone	Maintenance	100	-	-0.03	-0.05	-0.11
Imperial County, CA	Ozone	Moderate	50	-	-0.19	-0.34	-0.77
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.19	-0.33	-0.75
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.12
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-1.82	-3.18	-7.24
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-1.44	-2.52	-5.73
Jackson County, IN	Ozone	Maintenance	100	-	-0.07	-0.13	-0.29
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.14	-0.25	-0.57
Jefferson County, NY	Ozone	Moderate	50	-	-0.11	-0.20	-0.45
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.20	-0.35	-0.80
Johnstown, PA	Ozone	Maintenance	100	-	-0.10	-0.17	-0.39
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.19	-0.42
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.47	-0.82	-1.86
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.10
Kansas City, MO-KS	Ozone	Maintenance	100	-	-1.51	-2.64	-6.01
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.13	-0.23	-0.52
Kent, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.08	-0.13	-0.30
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.09
King County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Klamath Falls, OR	CO	Maintenance	100	-	-0.05	-0.08	-0.18

Appendix B

Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.18
Knoxville, TN	Ozone	Former Subpart 1	50	-	-1.06	-1.86	-4.24
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.83	-1.45	-3.30
La Porte County, IN	SO _x	Maintenance	100	-	-0.03	-0.06	-0.13
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.06
Lake County, IN	SO _x	Maintenance	100	-	-0.28	-0.50	-1.13
Lake County, OH	SO _x	Maintenance	100	-	-0.03	-0.06	-0.13
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.02	-0.04	-0.10
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.05	-0.09	-0.21
Lake Tahoe, NV	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.41	-0.72	-1.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.41	-0.72	-1.64
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.44	-0.77	-1.74
LaPorte, IN	Ozone	Maintenance	100	-	-0.09	-0.16	-0.36
Las Vegas, NV	CO	Serious	100	-	-1.32	-2.32	-5.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-1.34	-2.36	-5.36
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.08	-0.14	-0.33
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.02
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.05
Lima, OH	Ozone	Maintenance	100	-	-24.55	-42.12	-49.53
Longmont, CO	CO	Maintenance	100	-	-0.08	-0.14	-0.32
Lorain County, OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.17

Appendix B

Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-65.88	-113.52	-159.50
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-65.88	-113.52	-159.50
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-65.88	-113.52	-159.50
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-65.88	-113.52	-159.50
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-65.87	-113.52	-159.50
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.62	-1.09	-2.47
Louisville, KY-IN	Ozone	Maintenance	100	-	-1.04	-1.83	-4.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-1.01	-1.77	-4.03
Lowell, MA	CO	Maintenance	100	-	-0.10	-0.18	-0.41
Lucas County, OH	SO _x	Maintenance	100	-	-0.28	-0.49	-1.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.23
Macon, GA	Ozone	Maintenance	100	-	-0.20	-0.34	-0.78
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.19	-0.34	-0.78
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	-0.22	-0.38	-0.87
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Manchester, NH	CO	Maintenance	100	-	-0.07	-0.13	-0.29
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.09	-0.16	-0.37
Marion County, IN	SO _x	Maintenance	100	-	-0.29	-0.51	-1.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.10	-0.17	-0.39
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.29	-0.51	-1.16
Mason County, MI	Ozone	Maintenance	100	-	-0.02	-0.04	-0.10
Medford, OR	CO	Maintenance	100	-	-0.07	-0.12	-0.27
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.16	-0.29	-0.65
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.83	-3.18	-5.52
Memphis, TN	CO	Maintenance	100	-	-1.76	-3.05	-5.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.10

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Milwaukee, WI	SO _x	Maintenance	100	-	-0.49	-0.86	-1.96
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-1.62	-2.85	-6.48
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-7.47	-12.91	-20.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-2.54	-4.45	-10.13
Missoula, MT	CO	Maintenance	100	-	-0.06	-0.10	-0.22
Missoula, MT	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.22
Modesto, CA	CO	Maintenance	100	-	-0.27	-0.47	-1.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.09	-0.16	-0.36
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Morristown, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.12
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.03	-0.05	-0.11
Muncie, IN	Ozone	Maintenance	100	-	-0.11	-0.19	-0.44
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.06
Muskegon, MI	Ozone	Maintenance	100	-	-0.12	-0.21	-0.47
Nashua, NH	CO	Maintenance	100	-	-0.06	-0.10	-0.23
Nashville, TN	Ozone	Former Subpart 1	50	-	-1.48	-2.59	-5.89
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.12	-0.21	-0.47
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.12	-0.22	-0.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.73	-1.28	-2.90
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
New York County, NY	PM ₁₀	Moderate	100	-	-0.43	-0.75	-1.71
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-11.57	-20.11	-37.50
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-18.88	-32.91	-64.88
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-18.77	-32.71	-64.42
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-11.46	-19.72	-25.89
Ogden, UT	CO	Maintenance	100	-	-0.07	-0.11	-0.26
Ogden, UT	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.26
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.08
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.17	-0.38
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.01	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.13	-0.24	-0.54
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.14	-0.24	-0.54
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.09	-0.16	-0.37
Perth Amboy, NJ	CO	Maintenance	100	-	-0.98	-1.68	-2.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.37	-0.64	-1.46
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-40.99	-70.47	-90.43
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-42.90	-73.81	-98.03
Phoenix, AZ	CO	Maintenance	100	-	-4.01	-7.03	-15.99
Phoenix, AZ	PM ₁₀	Serious	70	-	-4.14	-7.26	-16.50
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-4.15	-7.28	-16.56
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.02	-0.04	-0.08
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-1.88	-3.30	-7.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-1.72	-3.02	-6.82
Polk County, TN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.08
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	-0.51	-0.90	-2.05

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-1.16	-2.03	-4.44
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.16
Poughkeepsie, NY	Ozone	Moderate	50	-	-1.21	-2.13	-4.83
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Providence (entire State), RI	Ozone	Moderate	50	-	-0.89	-1.57	-3.57
Provo, UT	CO	Maintenance	100	-	-0.14	-0.25	-0.58
Raleigh-Durham, NC	CO	Maintenance	100	-	-1.17	-2.04	-4.65
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-1.59	-2.79	-6.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.31	-0.54	-1.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.31	-0.54	-1.22
Reno, NV	CO	Maintenance	100	-	-0.22	-0.39	-0.89
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-1.12	-1.97	-4.48
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.17
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.55	-0.97	-2.21
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.24	-0.43	-0.97
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.07	-0.13	-0.29
Rochester, NY	Ozone	Former Subpart 1	50	-	-1.23	-2.16	-4.90
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.17	-0.30	-0.69
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.19	-0.44
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-1.31	-2.29	-5.20
Sacramento Metro, CA	Ozone	Severe	25	-	-2.33	-4.08	-9.27
Sacramento, CA	CO	Maintenance	100	-	-1.45	-2.54	-5.78
Salem, OR	CO	Maintenance	100	-	-0.12	-0.21	-0.48
Salt Lake City, UT	CO	Maintenance	100	-	-0.93	-1.60	-2.24

Appendix B

Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.67	-2.90	-5.20
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.93	-1.64	-3.72
San Antonio, TX	Ozone	Former Subpart 1	50	-	-1.68	-2.94	-6.69
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.38	-0.67	-1.53
San Diego, CA	CO	Maintenance	100	-	-3.66	-6.41	-14.58
San Diego, CA	Ozone	Former Subpart 1	50	-	-3.66	-6.43	-14.61
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-152.10	-261.11	-316.87
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-152.87	-262.46	-319.95
San Joaquin Valley, CA	Ozone	Extreme	10	-	-5.52	-9.62	-18.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-5.54	-9.65	-19.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-5.52	-9.62	-18.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.12
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.61	-1.08	-2.45
Seattle-Tacoma, WA	CO	Maintenance	100	-	-2.69	-4.72	-10.73
Sheboygan, WI	Ozone	Moderate	50	-	-0.11	-0.19	-0.43
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.08
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.06
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.42	-0.73	-1.65
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.17	-0.29	-0.67
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.27	-0.47	-1.07
Spokane, WA	CO	Maintenance	100	-	-0.27	-0.46	-1.06
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.82	-1.44	-3.27
Springfield, MA	CO	Maintenance	100	-	-0.13	-0.23	-0.52
St. Louis, MO	CO	Maintenance	100	-	-0.87	-1.53	-3.48
St. Louis, MO-IL	Ozone	Moderate	50	-	-127.79	-219.31	-262.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-127.78	-219.28	-262.09

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.15	-0.27	-0.61
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.16
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.16	-2.00	-2.52
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.16	-2.00	-2.52
Stockton, CA	CO	Maintenance	100	-	-0.41	-0.71	-1.62
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.48	-0.84	-1.90
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.12	-0.22	-0.50
Tioga County, PA	Ozone	Maintenance	100	-	-0.05	-0.09	-0.21
Toledo, OH	Ozone	Maintenance	100	-	-7.42	-12.74	-15.91
Toms River, NJ	CO	Maintenance	100	-	-0.09	-0.15	-0.35
Tooele County, UT	SO _x	Nonattainment	100	-	-0.09	-0.16	-0.36
Trenton, NJ	CO	Maintenance	100	-	-0.08	-0.14	-0.32
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	-0.89	-1.56	-3.55
Utah County, UT	PM ₁₀	Moderate	100	-	-0.43	-0.76	-1.73
Vancouver, WA	CO	Maintenance	100	-	-0.27	-0.48	-1.09
Ventura County, CA	Ozone	Serious	50	-	-0.81	-1.42	-3.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Vigo County, IN	SO _x	Maintenance	100	-	-0.12	-0.22	-0.50
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.05	-0.09	-0.21
Warren County, NJ	SO _x	Maintenance	100	-	-0.03	-0.06	-0.13
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.05
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.20	-0.34	-0.78
Washington, DC-MD-VA	CO	Maintenance	100	-	-1.43	-2.51	-5.70

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Table B.1-145
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-4.85	-8.50	-19.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-4.75	-8.33	-18.94
Washoe County, NV	PM ₁₀	Serious	70	-	-0.22	-0.39	-0.89
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.07	-0.12	-0.27
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.49	-4.28	-5.14
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.14	-0.25	-0.56
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.14	-0.25	-0.56
Winston-Salem, NC	CO	Maintenance	100	-	-0.37	-0.66	-1.49
Worcester, MA	CO	Maintenance	100	-	-0.20	-0.34	-0.78
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.08	-0.15	-0.34
Yakima, WA	CO	Maintenance	100	-	-0.03	-0.06	-0.13
York, PA	Ozone	Maintenance	100	-	-0.40	-0.71	-1.61
York, PA	PM _{2.5}	Nonattainment	100	-	-0.31	-0.55	-1.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.60	-1.05	-2.39
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.29	-0.66

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.72	-5.34	-10.79
Albuquerque, NM	CO	Maintenance	100	-	-1.26	-2.46	-4.97
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.31	-0.61	-1.23
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.26	-2.48	-5.00
Altoona, PA	Ozone	Maintenance	100	-	-0.23	-0.46	-0.83
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.35	-0.70	-1.40
Anchorage, AK	CO	Maintenance	100	-	-0.30	-0.59	-1.20
Anthony, NM	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.06
Atlanta, GA	Ozone	Moderate	50	-	-14.27	-28.01	-56.52
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-14.28	-28.02	-56.56
Atlantic City, NJ	CO	Maintenance	100	-	-0.11	-0.21	-0.43
Bakersfield, CA	CO	Maintenance	100	-	-4.24	-7.96	2.32
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.04	-0.09
Baltimore, MD	Ozone	Moderate	50	-	-6.37	-12.50	-25.23
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-6.37	-12.50	-25.23
Baton Rouge, LA	Ozone	Moderate	50	-	-37.13	-68.92	59.26
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-495.71	-917.91	903.86
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.38	-0.75	-1.52
Benzie County, MI	Ozone	Maintenance	100	-	-0.05	-0.10	-0.19
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.31	-0.61	-1.24
Billings, MT	CO	Maintenance	100	-	-70.45	-130.45	128.26
Birmingham, AL	Ozone	Maintenance	100	-	-2.24	-4.38	-8.41

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.24	-4.40	-8.44
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.69	-1.36	-2.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.69	-1.36	-2.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.14
Boston, MA	CO	Maintenance	100	-	-1.82	-3.56	-7.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-10.87	-21.35	-43.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.38	-2.72	-5.49
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.04	-0.08
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.46	-4.82	-9.73
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.03	-0.07
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.09	-0.18
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.16
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.91	-7.31	3.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.91	-7.31	3.54
Case County, MI	Ozone	Maintenance	100	-	-0.09	-0.18	-0.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.03	-0.05
Charleston, WV	Ozone	Maintenance	100	-	-0.59	-1.16	-2.33
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.59	-1.16	-2.33
Charlotte, NC	CO	Maintenance	100	-	-1.57	-3.08	-6.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.51	-6.89	-13.90
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.17	-2.29	-4.60
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.06	-2.08	-4.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-336.79	-625.25	530.26
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-337.30	-626.26	528.23
Chico, CA	CO	Maintenance	100	-	-0.23	-0.45	-0.92
Chico, CA	Ozone	Former Subpart 1	50	-	-0.53	-1.05	-2.12
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-4.20	-8.24	-16.63

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-4.07	-8.00	-16.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.12
Clark County, NV	PM ₁₀	Serious	70	-	-3.20	-6.28	-12.68
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.55	-1.09	-2.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.38	-0.75	-1.52
Cleveland, OH	CO	Maintenance	100	-	-1.99	-3.91	-7.89
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-5.48	-10.75	-21.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-5.05	-9.92	-20.01
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.36	-2.68	-5.40
Colbert County, AL	SO _x	Maintenance	100	-	-0.13	-0.25	-0.50
Colorado Springs, CO	CO	Maintenance	100	-	-1.26	-2.47	-4.99
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.39	-2.72	-5.49
Columbus, OH	Ozone	Maintenance	100	-	-3.58	-7.03	-14.19
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-3.32	-6.52	-13.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.99	-3.91	-7.89
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.63	-3.20	-6.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-14.86	-29.17	-58.86
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.78	-3.49	-7.04
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.57	-3.09	-6.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-42.26	-78.95	40.62
Denver-Boulder, CO	CO	Maintenance	100	-	-41.98	-78.40	41.71
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-43.56	-81.51	35.44
Detroit, MI	CO	Maintenance	100	-	-15.19	-28.50	8.25
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-26.05	-49.33	-9.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-25.86	-48.97	-8.60

Appendix B

Table B.1-146							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.08	-0.15	-0.31
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.30
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.06	-0.12	-0.24
Duluth, MN	CO	Maintenance	100	-	-0.17	-0.34	-0.69
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.07
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-83.76	-155.12	151.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.60	-19.75	13.45
El Paso, TX	CO	Maintenance	100	-	-0.07	-0.13	-0.26
Erie, PA	Ozone	Maintenance	100	-	-0.48	-0.95	-1.92
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.49	-0.96	-1.94
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.47	-0.92	-1.86
Evansville, IN	Ozone	Maintenance	100	-	-0.54	-1.06	-2.14
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.69	-1.36	-2.75
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.07	-0.15
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.63	-1.23	-2.49
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Flint, MI	Ozone	Maintenance	100	-	-1.11	-2.17	-4.38
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.38	-0.74	-1.49
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.78	-1.52	-3.08
Franklin County, PA	Ozone	Maintenance	100	-	-0.32	-0.64	-1.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.28	-0.55	-1.10
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.88	-1.74	-3.50

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.04	-0.07	-0.15
Fresno, CA	CO	Maintenance	100	-	-1.26	-2.47	-4.98
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.73	-3.39	-6.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.09	-0.17	-0.34
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.14	-0.28
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.08	-0.16
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.50	-6.87	-13.86
Greeley, CO	CO	Maintenance	100	-	-0.26	-0.52	-1.04
Green Bay, WI	SO _x	Maintenance	100	-	-0.26	-0.51	-1.04
Greene County, IN	Ozone	Maintenance	100	-	-0.10	-0.20	-0.41
Greene County, PA	Ozone	Maintenance	100	-	-0.10	-0.19	-0.38
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.45	-6.78	-13.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.71	-3.35	-6.77
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.91	-3.75	-7.56
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.05	-0.09	-0.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.24	-0.48	-0.97
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.82	-3.58	-7.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.68	-3.30	-6.66
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.26	-4.44	-8.97
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.16	-0.33
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	-0.09	-0.17	-0.34
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.38	-0.74	-1.50
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.62	-1.22	-2.47
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-156.07	-290.30	216.67
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.58	-15.96	12.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.29	-15.38	13.17
Huron County, MI	Ozone	Maintenance	100	-	-0.06	-0.12	-0.24
Imperial County, CA	Ozone	Moderate	50	-	-0.47	-0.92	-1.85
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.46	-0.90	-1.81
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.07	-0.14	-0.28
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-4.27	-8.38	-16.91
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-3.38	-6.64	-13.40
Jackson County, IN	Ozone	Maintenance	100	-	-0.17	-0.33	-0.67
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.33	-0.65	-1.31
Jefferson County, NY	Ozone	Moderate	50	-	-0.26	-0.52	-1.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.46	-0.90	-1.83
Johnstown, PA	Ozone	Maintenance	100	-	-0.21	-0.42	-0.85
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.24	-0.46	-0.93
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.09
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.07	-2.11	-4.25
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.25
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.55	-6.97	-14.06
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.31	-0.60	-1.21
Kent, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.10	-0.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.18	-0.35	-0.70
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.05	-0.10	-0.21
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.11	-0.21	-0.42

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.11	-0.21	-0.42
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.53	-4.97	-10.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.96	-3.85	-7.76
La Porte County, IN	SO _x	Maintenance	100	-	-0.07	-0.14	-0.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.13
Lake County, IN	SO _x	Maintenance	100	-	-0.65	-1.27	-2.56
Lake County, OH	SO _x	Maintenance	100	-	-0.08	-0.15	-0.30
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.06	-0.12	-0.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.13	-0.26	-0.53
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.08	-0.17
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.96	-1.88	-3.80
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.96	-1.88	-3.80
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.01	-1.99	-4.02
LaPorte, IN	Ozone	Maintenance	100	-	-0.21	-0.41	-0.82
Las Vegas, NV	CO	Serious	100	-	-3.20	-6.28	-12.68
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-3.25	-6.38	-12.87
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.19	-0.37	-0.74
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.06	-0.12
Lima, OH	Ozone	Maintenance	100	-	-52.81	-97.80	95.47
Longmont, CO	CO	Maintenance	100	-	-0.19	-0.38	-0.77
Lorain County, OH	SO _x	Maintenance	100	-	-0.10	-0.19	-0.39

Appendix B

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-144.63	-271.41	76.73
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-144.63	-271.41	76.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-144.63	-271.41	76.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-144.63	-271.42	76.73
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-144.63	-271.41	76.74
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.47	-2.89	-5.83
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.40	-4.71	-9.51
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.32	-4.56	-9.20
Lowell, MA	CO	Maintenance	100	-	-0.24	-0.47	-0.96
Lucas County, OH	SO _x	Maintenance	100	-	-0.64	-1.25	-2.52
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.13	-0.26	-0.52
Macon, GA	Ozone	Maintenance	100	-	-0.45	-0.87	-1.76
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.44	-0.86	-1.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	-0.52	-1.02	-2.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.08
Manchester, NH	CO	Maintenance	100	-	-0.16	-0.32	-0.65
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.22	-0.42	-0.85
Marion County, IN	SO _x	Maintenance	100	-	-0.67	-1.31	-2.63
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.24	-0.47	-0.95
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.68	-1.33	-2.69
Mason County, MI	Ozone	Maintenance	100	-	-0.06	-0.11	-0.22
Medford, OR	CO	Maintenance	100	-	-0.17	-0.33	-0.66
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.40	-0.78	-1.57
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.06	-7.76	-4.85
Memphis, TN	CO	Maintenance	100	-	-3.89	-7.43	-4.17
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.06	-0.12	-0.25

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	-1.12	-2.21	-4.45
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.79	-7.44	-15.01
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-16.58	-31.39	-5.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-5.97	-11.71	-23.63
Missoula, MT	CO	Maintenance	100	-	-0.13	-0.26	-0.52
Missoula, MT	PM ₁₀	Moderate	100	-	-0.13	-0.25	-0.50
Modesto, CA	CO	Maintenance	100	-	-0.66	-1.29	-2.61
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.22	-0.43	-0.88
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Morristown, NJ	CO	Maintenance	100	-	-0.07	-0.14	-0.28
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.06	-0.12	-0.24
Muncie, IN	Ozone	Maintenance	100	-	-0.25	-0.48	-0.97
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.06	-0.13
Muskegon, MI	Ozone	Maintenance	100	-	-0.28	-0.54	-1.09
Nashua, NH	CO	Maintenance	100	-	-0.13	-0.26	-0.52
Nashville, TN	Ozone	Former Subpart 1	50	-	-3.49	-6.84	-13.81
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.30	-0.59	-1.19
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.30	-0.58	-1.17
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.67	-3.28	-6.62
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.03	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-0.97	-1.90	-3.84
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-26.00	-50.00	-48.79
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-42.92	-82.99	-104.49
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-42.65	-82.47	-103.42
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.17	-0.34

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-24.88	-46.45	26.23
Ogden, UT	CO	Maintenance	100	-	-0.15	-0.29	-0.59
Ogden, UT	PM ₁₀	Moderate	100	-	-0.15	-0.29	-0.59
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.09	-0.18
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.23	-0.45	-0.91
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.31	-0.61	-1.22
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.31	-0.61	-1.23
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.16
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.21	-0.42	-0.84
Perth Amboy, NJ	CO	Maintenance	100	-	-2.12	-3.95	2.92
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.83	-1.63	-3.29
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-88.78	-165.44	108.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-93.21	-174.13	90.53
Phoenix, AZ	CO	Maintenance	100	-	-10.03	-19.69	-39.74
Phoenix, AZ	PM ₁₀	Serious	70	-	-10.34	-20.29	-40.95
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-10.37	-20.36	-41.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.05	-0.10	-0.20
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-4.31	-8.46	-16.78
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.95	-7.74	-15.32
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.09	-0.18
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Portland, ME	Ozone	Maintenance	100	-	-1.19	-2.34	-4.73

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.67	-5.22	-9.39
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.09	-0.18	-0.37
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.91	-5.71	-11.52
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	-2.09	-4.11	-8.30
Provo, UT	CO	Maintenance	100	-	-0.35	-0.68	-1.37
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.78	-5.45	-11.00
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.79	-7.43	-15.00
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-0.71	-1.39	-2.81
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.71	-1.39	-2.81
Reno, NV	CO	Maintenance	100	-	-0.52	-1.02	-2.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.60	-5.11	-10.32
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.10	-0.20	-0.41
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.36	-2.68	-5.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.56	-1.09	-2.21
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.17	-0.34	-0.68
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.85	-5.59	-11.28
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.39	-0.78	-1.56
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.26	-0.50	-1.01
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	-3.18	-6.25	-12.62
Sacramento Metro, CA	Ozone	Severe	25	-	-5.73	-11.24	-22.68
Sacramento, CA	CO	Maintenance	100	-	-3.55	-6.98	-14.08
Salem, OR	CO	Maintenance	100	-	-0.28	-0.55	-1.10
Salt Lake City, UT	CO	Maintenance	100	-	-2.03	-3.81	1.11

Appendix B

Table B.1-146							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.77	-7.23	-5.78
Salt Lake County, UT	SO _x	Nonattainment	100	-	-2.19	-4.30	-8.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.96	-7.77	-15.66
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.92	-1.80	-3.63
San Diego, CA	CO	Maintenance	100	-	-8.85	-17.36	-35.04
San Diego, CA	Ozone	Former Subpart 1	50	-	-8.86	-17.40	-35.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-328.36	-609.48	522.98
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-330.17	-613.04	515.80
San Joaquin Valley, CA	Ozone	Extreme	10	-	-12.99	-25.12	-32.32
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-13.03	-25.20	-32.48
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-12.99	-25.12	-32.32
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.07	-0.14	-0.28
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.42	-2.79	-5.64
Seattle-Tacoma, WA	CO	Maintenance	100	-	-6.36	-12.48	-25.19
Sheboygan, WI	Ozone	Moderate	50	-	-0.25	-0.50	-1.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.05	-0.09	-0.18
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.04	-0.07	-0.15
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.96	-1.89	-3.81
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.37	-0.73	-1.47
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.63	-1.24	-2.50
Spokane, WA	CO	Maintenance	100	-	-0.63	-1.23	-2.48
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.90	-3.73	-7.52
Springfield, MA	CO	Maintenance	100	-	-0.31	-0.60	-1.21
St. Louis, MO	CO	Maintenance	100	-	-1.95	-3.82	-7.72
St. Louis, MO-IL	Ozone	Moderate	50	-	-275.17	-510.19	468.01
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-275.13	-510.11	468.17

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.36	-0.71	-1.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.08	-0.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.09	-0.18	-0.36
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.51	-4.67	3.42
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.51	-4.67	3.42
Stockton, CA	CO	Maintenance	100	-	-0.99	-1.94	-3.92
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.09	-2.14	-4.32
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.28	-0.55	-1.11
Tioga County, PA	Ozone	Maintenance	100	-	-0.12	-0.24	-0.47
Toledo, OH	Ozone	Maintenance	100	-	-16.02	-29.80	22.62
Toms River, NJ	CO	Maintenance	100	-	-0.21	-0.41	-0.84
Tooele County, UT	SO _x	Nonattainment	100	-	-0.21	-0.42	-0.85
Trenton, NJ	CO	Maintenance	100	-	-0.19	-0.37	-0.75
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Tucson, AZ	CO	Maintenance	100	-	-2.11	-4.15	-8.38
Utah County, UT	PM ₁₀	Moderate	100	-	-1.03	-2.03	-4.09
Vancouver, WA	CO	Maintenance	100	-	-0.66	-1.30	-2.62
Ventura County, CA	Ozone	Serious	50	-	-1.95	-3.81	-6.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Vigo County, IN	SO _x	Maintenance	100	-	-0.28	-0.55	-1.11
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.12	-0.24	-0.48
Warren County, NJ	SO _x	Maintenance	100	-	-0.08	-0.15	-0.30
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.12
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.45	-0.89	-1.79
Washington, DC-MD-VA	CO	Maintenance	100	-	-3.33	-6.54	-13.19

Appendix B

Table B.1-146
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-11.49	-22.55	-45.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-11.25	-22.08	-44.55
Washoe County, NV	PM ₁₀	Serious	70	-	-0.52	-1.02	-2.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.15	-0.30	-0.60
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.40	-10.01	8.99
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.03	-0.05	-0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.32	-0.62	-1.26
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.32	-0.62	-1.26
Winston-Salem, NC	CO	Maintenance	100	-	-0.87	-1.72	-3.46
Worcester, MA	CO	Maintenance	100	-	-0.46	-0.91	-1.83
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.20	-0.39	-0.78
Yakima, WA	CO	Maintenance	100	-	-0.08	-0.16	-0.32
York, PA	Ozone	Maintenance	100	-	-0.95	-1.86	-3.75
York, PA	PM _{2.5}	Nonattainment	100	-	-0.74	-1.44	-2.92
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.36	-2.66	-5.38
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.39	-0.78	-1.56

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.04	-0.08
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.37	-11.41	-23.79
Albuquerque, NM	CO	Maintenance	100	-	-1.99	-5.19	-10.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.53	-1.38	-2.87
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.02	-5.26	-10.98
Altoona, PA	Ozone	Maintenance	100	-	-0.34	-0.88	-1.46
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.69	-1.80	-3.74
Anchorage, AK	CO	Maintenance	100	-	-0.52	-1.35	-2.81
Anthony, NM	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.14
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.04	-0.09
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.14
Atlanta, GA	Ozone	Moderate	50	-	-23.91	-62.36	-130.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-23.92	-62.39	-130.10
Atlantic City, NJ	CO	Maintenance	100	-	-0.17	-0.44	-0.92
Bakersfield, CA	CO	Maintenance	100	-	-5.71	-11.54	43.01
Baltimore, MD	CO	Maintenance	100	-	-0.03	-0.09	-0.18
Baltimore, MD	Ozone	Moderate	50	-	-10.47	-27.30	-56.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-10.47	-27.30	-56.93
Baton Rouge, LA	Ozone	Moderate	50	-	-46.77	-85.88	544.74
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-617.39	-1,108.55	7,746.92
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.56	-1.45	-3.03
Benzie County, MI	Ozone	Maintenance	100	-	-0.09	-0.23	-0.48
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.52	-1.35	-2.81
Billings, MT	CO	Maintenance	100	-	-87.76	-157.63	1,100.09
Birmingham, AL	Ozone	Maintenance	100	-	-3.42	-8.85	-16.87

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.44	-8.88	-16.93
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.16	-3.01	-6.28
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.16	-3.01	-6.28
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.06	-0.16	-0.34
Boston, MA	CO	Maintenance	100	-	-2.85	-7.43	-15.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-17.43	-45.45	-94.77
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.28	-5.94	-12.40
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.08	-0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-3.82	-9.95	-20.76
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.06	-0.12
Butte, MT	PM ₁₀	Moderate	100	-	-0.06	-0.16	-0.34
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.19	-0.39
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.04	-9.81	46.27
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.04	-9.81	46.27
Case County, MI	Ozone	Maintenance	100	-	-0.14	-0.37	-0.78
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.02	-0.05	-0.10
Charleston, WV	Ozone	Maintenance	100	-	-0.86	-2.25	-4.70
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.86	-2.25	-4.70
Charlotte, NC	CO	Maintenance	100	-	-2.65	-6.91	-14.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-5.85	-15.25	-31.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.81	-4.72	-9.78
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.66	-4.34	-8.99
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-425.13	-782.61	4,907.84
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-425.96	-784.78	4,903.32
Chico, CA	CO	Maintenance	100	-	-0.44	-1.15	-2.41
Chico, CA	Ozone	Former Subpart 1	50	-	-0.97	-2.54	-5.29
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-6.72	-17.52	-36.53

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Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-6.51	-16.98	-35.40
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.04	-0.11	-0.22
Clark County, NV	PM ₁₀	Serious	70	-	-5.67	-14.79	-30.84
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.92	-2.40	-5.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.60	-1.55	-3.24
Cleveland, OH	CO	Maintenance	100	-	-2.88	-7.51	-15.66
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-8.46	-22.08	-46.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-7.77	-20.27	-42.26
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.52	-6.57	-13.71
Colbert County, AL	SO _x	Maintenance	100	-	-0.18	-0.48	-0.99
Colorado Springs, CO	CO	Maintenance	100	-	-2.16	-5.63	-11.75
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.11
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.21	-5.78	-12.05
Columbus, OH	Ozone	Maintenance	100	-	-6.04	-15.76	-32.86
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-5.62	-14.65	-30.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.03	-0.05
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-2.88	-7.51	-15.66
Cuyahoga County, OH	SO _x	Maintenance	100	-	-2.39	-6.24	-13.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-25.54	-66.62	-138.92
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-2.70	-7.03	-14.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.38	-6.20	-12.92
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-55.48	-108.31	503.78
Denver-Boulder, CO	CO	Maintenance	100	-	-55.01	-107.08	506.35
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-57.71	-114.12	491.67
Detroit, MI	CO	Maintenance	100	-	-19.06	-38.17	151.68
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-35.80	-76.94	168.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-35.50	-76.18	170.40

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Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.13	-0.34	-0.71
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.12	-0.30	-0.63
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.09	-0.25	-0.51
Duluth, MN	CO	Maintenance	100	-	-0.26	-0.67	-1.41
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.03	-0.08	-0.17
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-104.40	-187.81	1,301.91
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-13.61	-25.80	140.72
El Paso, TX	CO	Maintenance	100	-	-0.11	-0.27	-0.57
Erie, PA	Ozone	Maintenance	100	-	-0.74	-1.93	-4.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.80	-2.09	-4.36
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.77	-2.01	-4.18
Evansville, IN	Ozone	Maintenance	100	-	-0.85	-2.20	-4.60
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.08	-2.81	-5.86
Fairbanks, AK	CO	Maintenance	100	-	-0.06	-0.17	-0.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.00	-2.61	-5.43
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.14
Flint, MI	Ozone	Maintenance	100	-	-1.71	-4.45	-9.29
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-0.65	-1.70	-3.55
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.24	-3.23	-6.73
Franklin County, PA	Ozone	Maintenance	100	-	-0.53	-1.38	-2.87
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.45	-1.16	-2.42
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.55	-4.05	-8.44

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.07	-0.17	-0.36
Fresno, CA	CO	Maintenance	100	-	-2.14	-5.58	-11.65
Grand Rapids, MI	Ozone	Maintenance	100	-	-2.87	-7.48	-15.60
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.13	-0.33	-0.69
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.12	-0.32	-0.66
Great Falls, MT	CO	Maintenance	100	-	-0.06	-0.15	-0.32
Greater Connecticut, CT	Ozone	Moderate	50	-	-5.41	-14.12	-29.45
Greeley, CO	CO	Maintenance	100	-	-0.44	-1.15	-2.39
Green Bay, WI	SO _x	Maintenance	100	-	-0.42	-1.10	-2.30
Greene County, IN	Ozone	Maintenance	100	-	-0.16	-0.43	-0.89
Greene County, PA	Ozone	Maintenance	100	-	-0.15	-0.39	-0.80
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-5.42	-14.14	-29.49
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-2.65	-6.92	-14.44
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-2.93	-7.64	-15.93
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.07	-0.20	-0.41
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.39	-1.02	-2.13
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.00	-7.83	-16.34
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-2.77	-7.22	-15.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-3.46	-9.02	-18.81
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.10	-0.20
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.15	-0.38	-0.80
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.09
Hazelwood, PA	SO _x	Maintenance	100	-	-0.13	-0.35	-0.73
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.57	-1.49	-3.10
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.96	-2.50	-5.21
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04

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Table B.1-147
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Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-199.12	-373.27	2,150.26
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-10.85	-20.25	119.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-10.39	-19.04	121.61
Huron County, MI	Ozone	Maintenance	100	-	-0.09	-0.24	-0.50
Imperial County, CA	Ozone	Moderate	50	-	-0.82	-2.14	-4.47
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.80	-2.10	-4.37
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.11	-0.28	-0.59
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-7.01	-18.28	-38.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-5.57	-14.52	-30.28
Jackson County, IN	Ozone	Maintenance	100	-	-0.26	-0.68	-1.42
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.51	-1.34	-2.79
Jefferson County, NY	Ozone	Moderate	50	-	-0.41	-1.08	-2.24
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.12
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.71	-1.84	-3.83
Johnstown, PA	Ozone	Maintenance	100	-	-0.29	-0.76	-1.59
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.32	-0.84	-1.75
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.11	-0.23
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.67	-4.35	-9.08
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.11	-0.28	-0.59
Kansas City, MO-KS	Ozone	Maintenance	100	-	-5.85	-15.25	-31.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.51	-1.32	-2.75
Kent, WA	PM ₁₀	Maintenance	100	-	-0.09	-0.24	-0.50
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.28	-0.72	-1.51
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.08	-0.21	-0.44
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.10	-0.20
Klamath Falls, OR	CO	Maintenance	100	-	-0.16	-0.42	-0.88

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.16	-0.42	-0.88
Knoxville, TN	Ozone	Former Subpart 1	50	-	-4.30	-11.22	-23.40
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.28	-8.56	-17.85
La Porte County, IN	SO _x	Maintenance	100	-	-0.11	-0.29	-0.59
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.05	-0.13	-0.27
Lake County, IN	SO _x	Maintenance	100	-	-0.97	-2.53	-5.28
Lake County, OH	SO _x	Maintenance	100	-	-0.12	-0.31	-0.64
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.12	-0.32	-0.67
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.27	-0.70	-1.47
Lake Tahoe, NV	CO	Maintenance	100	-	-0.07	-0.18	-0.37
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.16
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-1.55	-4.04	-8.42
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.55	-4.04	-8.42
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.61	-4.19	-8.74
LaPorte, IN	Ozone	Maintenance	100	-	-0.30	-0.79	-1.66
Las Vegas, NV	CO	Serious	100	-	-5.67	-14.79	-30.84
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-5.74	-14.97	-31.22
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.28	-0.73	-1.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.04	-0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.04	-0.11	-0.22
Lima, OH	Ozone	Maintenance	100	-	-65.81	-118.35	821.92
Longmont, CO	CO	Maintenance	100	-	-0.34	-0.89	-1.85
Lorain County, OH	SO _x	Maintenance	100	-	-0.16	-0.40	-0.84

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-194.04	-392.43	1,460.55
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-194.04	-392.43	1,460.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-194.04	-392.43	1,460.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-194.04	-392.43	1,460.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-194.04	-392.42	1,460.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.49	-6.50	-13.55
Louisville, KY-IN	Ozone	Maintenance	100	-	-3.72	-9.71	-20.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-3.57	-9.31	-19.42
Lowell, MA	CO	Maintenance	100	-	-0.40	-1.04	-2.18
Lucas County, OH	SO _x	Maintenance	100	-	-0.95	-2.47	-5.14
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.20	-0.52	-1.07
Macon, GA	Ozone	Maintenance	100	-	-0.66	-1.71	-3.56
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.65	-1.69	-3.52
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Madison, WI	SO _x	Maintenance	100	-	-0.91	-2.36	-4.93
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.11	-0.22
Manchester, NH	CO	Maintenance	100	-	-0.24	-0.63	-1.32
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.33	-0.86	-1.79
Marion County, IN	SO _x	Maintenance	100	-	-1.00	-2.61	-5.44
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.44	-1.16	-2.41
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.08	-2.82	-5.88
Mason County, MI	Ozone	Maintenance	100	-	-0.09	-0.24	-0.49
Medford, OR	CO	Maintenance	100	-	-0.29	-0.77	-1.60
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.70	-1.84	-3.83
Memphis, TN-AR	Ozone	Maintenance	100	-	-5.61	-12.68	13.02
Memphis, TN	CO	Maintenance	100	-	-5.37	-12.04	14.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.11	-0.28	-0.59

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.04	-0.09
Milwaukee, WI	SO _x	Maintenance	100	-	-1.70	-4.44	-9.26
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-6.08	-15.87	-33.09
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-23.07	-49.57	108.96
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-9.77	-25.49	-53.15
Missoula, MT	CO	Maintenance	100	-	-0.21	-0.56	-1.16
Missoula, MT	PM ₁₀	Moderate	100	-	-0.21	-0.54	-1.12
Modesto, CA	CO	Maintenance	100	-	-1.19	-3.10	-6.46
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.40	-1.05	-2.19
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Morristown, NJ	CO	Maintenance	100	-	-0.12	-0.32	-0.67
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.09	-0.24	-0.50
Muncie, IN	Ozone	Maintenance	100	-	-0.35	-0.91	-1.91
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.09
Muscatine County, IA	SO _x	Maintenance	100	-	-0.05	-0.14	-0.28
Muskegon, MI	Ozone	Maintenance	100	-	-0.44	-1.15	-2.40
Nashua, NH	CO	Maintenance	100	-	-0.19	-0.51	-1.06
Nashville, TN	Ozone	Former Subpart 1	50	-	-5.79	-15.09	-31.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.59	-1.53	-3.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.51	-1.33	-2.77
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-2.57	-6.69	-13.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.02	-0.05	-0.10
New York County, NY	PM ₁₀	Moderate	100	-	-1.43	-3.74	-7.79
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-37.57	-88.51	5.60
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-64.14	-155.81	-94.99
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-63.69	-154.65	-92.58
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.14	-0.37	-0.78

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Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-32.07	-61.82	308.87
Ogden, UT	CO	Maintenance	100	-	-0.23	-0.60	-1.25
Ogden, UT	PM ₁₀	Moderate	100	-	-0.23	-0.60	-1.25
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.07	-0.17	-0.36
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.39	-1.03	-2.14
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.04	-0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.47	-1.22	-2.55
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.47	-1.23	-2.57
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.07	-0.18	-0.38
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.32	-0.83	-1.74
Perth Amboy, NJ	CO	Maintenance	100	-	-2.73	-5.15	29.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.21	-3.15	-6.58
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-113.51	-215.61	1,163.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-120.55	-233.97	1,124.91
Phoenix, AZ	CO	Maintenance	100	-	-19.21	-50.09	-104.45
Phoenix, AZ	PM ₁₀	Serious	70	-	-19.73	-51.47	-107.32
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-19.79	-51.61	-107.62
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.03	-0.09	-0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	-0.09	-0.23	-0.48
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-6.58	-17.11	-34.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-6.01	-15.63	-31.51
Polk County, TN	SO _x	Maintenance	100	-	-0.07	-0.18	-0.38
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.06
Portland, ME	Ozone	Maintenance	100	-	-1.90	-4.96	-10.34

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-4.13	-10.57	-17.84
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.14	-0.37	-0.78
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.04	-13.14	-27.39
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.03	-0.08	-0.16
Providence (entire State), RI	Ozone	Moderate	50	-	-3.40	-8.87	-18.51
Provo, UT	CO	Maintenance	100	-	-0.60	-1.57	-3.27
Raleigh-Durham, NC	CO	Maintenance	100	-	-4.73	-12.33	-25.70
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-6.42	-16.75	-34.93
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Reading, PA	Ozone	Maintenance	100	-	-1.11	-2.90	-6.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.11	-2.90	-6.05
Reno, NV	CO	Maintenance	100	-	-0.83	-2.16	-4.51
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-4.12	-10.74	-22.40
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.19	-0.49	-1.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.52	-6.57	-13.71
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.85	-2.23	-4.65
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.28	-0.73	-1.52
Rochester, NY	Ozone	Former Subpart 1	50	-	-4.48	-11.67	-24.34
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.60	-1.57	-3.28
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.40	-1.04	-2.16
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.76	-15.01	-31.31
Sacramento Metro, CA	Ozone	Severe	25	-	-10.56	-27.54	-57.43
Sacramento, CA	CO	Maintenance	100	-	-6.47	-16.88	-35.19
Salem, OR	CO	Maintenance	100	-	-0.43	-1.13	-2.35
Salt Lake City, UT	CO	Maintenance	100	-	-2.71	-5.47	20.72

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.54	-12.85	5.32
Salt Lake County, UT	SO _x	Nonattainment	100	-	-3.58	-9.33	-19.45
San Antonio, TX	Ozone	Former Subpart 1	50	-	-6.55	-17.07	-35.57
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.55	-4.03	-8.41
San Diego, CA	CO	Maintenance	100	-	-15.65	-40.81	-85.10
San Diego, CA	Ozone	Former Subpart 1	50	-	-15.68	-40.89	-85.27
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-414.98	-763.27	4,805.46
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-417.93	-770.96	4,789.42
San Joaquin Valley, CA	Ozone	Extreme	10	-	-21.45	-52.60	-42.61
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-21.50	-52.74	-42.89
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-21.45	-52.60	-42.61
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.12	-0.33	-0.68
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.24	-5.84	-12.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	-10.59	-27.63	-57.62
Sheboygan, WI	Ozone	Moderate	50	-	-0.41	-1.07	-2.24
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.07	-0.19	-0.39
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.06	-0.16	-0.33
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.51	-3.95	-8.23
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.50	-1.30	-2.72
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.05	-2.73	-5.70
Spokane, WA	CO	Maintenance	100	-	-1.04	-2.70	-5.64
Springfield (western MA), MA	Ozone	Moderate	50	-	-2.99	-7.79	-16.24
Springfield, MA	CO	Maintenance	100	-	-0.50	-1.30	-2.71
St. Louis, MO	CO	Maintenance	100	-	-2.75	-7.17	-14.95
St. Louis, MO-IL	Ozone	Moderate	50	-	-344.33	-625.48	4,160.95
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-344.27	-625.32	4,161.29

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.61	-1.58	-3.30
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.19	-0.40
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.13	-0.34	-0.72
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-3.17	-5.92	34.53
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-3.17	-5.92	34.53
Stockton, CA	CO	Maintenance	100	-	-1.79	-4.68	-9.76
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.67	-4.35	-9.06
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-0.40	-1.05	-2.19
Tioga County, PA	Ozone	Maintenance	100	-	-0.18	-0.46	-0.97
Toledo, OH	Ozone	Maintenance	100	-	-20.27	-37.81	223.13
Toms River, NJ	CO	Maintenance	100	-	-0.37	-0.96	-2.00
Tooele County, UT	SO _x	Nonattainment	100	-	-0.35	-0.92	-1.91
Trenton, NJ	CO	Maintenance	100	-	-0.30	-0.79	-1.64
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.07
Tucson, AZ	CO	Maintenance	100	-	-3.58	-9.34	-19.47
Utah County, UT	PM ₁₀	Moderate	100	-	-1.75	-4.56	-9.50
Vancouver, WA	CO	Maintenance	100	-	-1.16	-3.03	-6.33
Ventura County, CA	Ozone	Serious	50	-	-3.39	-8.68	-14.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.12
Vigo County, IN	SO _x	Maintenance	100	-	-0.40	-1.05	-2.19
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.19	-0.49	-1.02
Warren County, NJ	SO _x	Maintenance	100	-	-0.12	-0.32	-0.67
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	-0.12	-0.24
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.71	-1.84	-3.83
Washington, DC-MD-VA	CO	Maintenance	100	-	-5.38	-14.04	-29.27

Appendix B

Table B.1-147
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-19.26	-50.24	-104.76
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-18.84	-49.13	-102.44
Washoe County, NV	PM ₁₀	Serious	70	-	-0.83	-2.16	-4.51
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.03	-0.07
Wayne County, IN	SO _x	Maintenance	100	-	-0.22	-0.57	-1.18
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.97	-12.73	82.58
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.15
Weirton, WV	SO _x	Maintenance	100	-	-0.04	-0.10	-0.20
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.45	-1.18	-2.47
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.45	-1.18	-2.47
Winston-Salem, NC	CO	Maintenance	100	-	-1.40	-3.65	-7.62
Worcester, MA	CO	Maintenance	100	-	-0.79	-2.05	-4.27
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.32	-0.84	-1.74
Yakima, WA	CO	Maintenance	100	-	-0.14	-0.38	-0.79
York, PA	Ozone	Maintenance	100	-	-1.55	-4.05	-8.45
York, PA	PM _{2.5}	Nonattainment	100	-	-1.20	-3.14	-6.55
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.99	-5.19	-10.81
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.68	-1.78	-3.72

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	-0.03	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.53	-7.41	-22.07
Albuquerque, NM	CO	Maintenance	100	-	-0.24	-3.33	-9.92
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.07	-0.94	-2.80
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-0.24	-3.40	-10.13
Altoona, PA	Ozone	Maintenance	100	-	-0.03	-0.50	-1.08
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.10	-1.34	-3.99
Anchorage, AK	CO	Maintenance	100	-	-0.06	-0.90	-2.69
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.04	-0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.03	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.13
Atlanta, GA	Ozone	Moderate	50	-	-2.99	-41.92	-124.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-2.99	-41.93	-124.95
Atlantic City, NJ	CO	Maintenance	100	-	-0.02	-0.27	-0.82
Bakersfield, CA	CO	Maintenance	100	-	1.26	-2.47	68.41
Baltimore, MD	CO	Maintenance	100	-	-0.00	-0.05	-0.16
Baltimore, MD	Ozone	Moderate	50	-	-1.29	-18.07	-53.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-1.29	-18.07	-53.83
Baton Rouge, LA	Ozone	Moderate	50	-	15.50	-0.31	816.80
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	219.28	50.78	11,514.98
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.06	-0.86	-2.55
Benzie County, MI	Ozone	Maintenance	100	-	-0.01	-0.16	-0.48
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.06	-0.89	-2.66
Billings, MT	CO	Maintenance	100	-	31.14	7.10	1,635.29
Birmingham, AL	Ozone	Maintenance	100	-	-0.35	-5.42	-14.36

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.35	-5.44	-14.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.14	-2.02	-6.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.14	-2.02	-6.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.01	-0.12	-0.35
Boston, MA	CO	Maintenance	100	-	-0.34	-4.75	-14.15
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-2.10	-29.45	-87.74
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.28	-3.93	-11.71
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.05	-0.15
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-0.45	-6.28	-18.71
Burlington, NJ	CO	Maintenance	100	-	-0.00	-0.03	-0.08
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.28
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.14	-0.40
Canton-Massillon, OH	Ozone	Maintenance	100	-	1.35	-1.18	71.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	1.35	-1.18	71.87
Case County, MI	Ozone	Maintenance	100	-	-0.02	-0.23	-0.70
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.08
Charleston, WV	Ozone	Maintenance	100	-	-0.10	-1.34	-4.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.10	-1.34	-4.00
Charlotte, NC	CO	Maintenance	100	-	-0.33	-4.67	-13.92
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-0.73	-10.21	-30.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.21	-2.97	-8.79
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.20	-2.75	-8.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	139.66	-7.79	7,364.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	139.56	-9.21	7,360.75
Chico, CA	CO	Maintenance	100	-	-0.06	-0.87	-2.58
Chico, CA	Ozone	Former Subpart 1	50	-	-0.13	-1.81	-5.40
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-0.81	-11.34	-33.78

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-0.78	-10.97	-32.69
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	-0.06	-0.17
Clark County, NV	PM ₁₀	Serious	70	-	-0.74	-10.37	-30.91
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.11	-1.60	-4.78
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.07	-0.98	-2.91
Cleveland, OH	CO	Maintenance	100	-	-0.31	-4.41	-13.14
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-0.99	-13.84	-41.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-0.90	-12.66	-37.72
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.34	-4.75	-14.14
Colbert County, AL	SO _x	Maintenance	100	-	-0.02	-0.28	-0.83
Colorado Springs, CO	CO	Maintenance	100	-	-0.28	-3.86	-11.50
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.04	-0.11
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.27	-3.76	-11.20
Columbus, OH	Ozone	Maintenance	100	-	-0.76	-10.65	-31.74
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-0.71	-9.92	-29.56
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-0.31	-4.41	-13.14
Cuyahoga County, OH	SO _x	Maintenance	100	-	-0.27	-3.80	-11.33
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-3.26	-45.68	-136.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-0.31	-4.33	-12.91
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-0.27	-3.81	-11.34
Denver Metro, CO	PM ₁₀	Maintenance	100	-	14.55	-15.27	778.79
Denver-Boulder, CO	CO	Maintenance	100	-	14.62	-14.42	781.31
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	14.27	-19.23	767.00
Detroit, MI	CO	Maintenance	100	-	5.28	-5.49	282.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5.32	-24.45	299.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5.35	-23.96	300.64

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.02	-0.23	-0.68
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.19	-0.56
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.01	-0.15	-0.46
Duluth, MN	CO	Maintenance	100	-	-0.03	-0.41	-1.23
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.06	-0.17
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	36.87	7.83	1,936.57
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	4.04	-1.89	214.12
El Paso, TX	CO	Maintenance	100	-	-0.01	-0.17	-0.52
Erie, PA	Ozone	Maintenance	100	-	-0.08	-1.19	-3.55
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.10	-1.39	-4.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.09	-1.33	-3.97
Evansville, IN	Ozone	Maintenance	100	-	-0.10	-1.40	-4.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.13	-1.77	-5.27
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.11	-0.34
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.12	-1.68	-5.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.05	-0.14
Flint, MI	Ozone	Maintenance	100	-	-0.20	-2.79	-8.32
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.08	-1.18	-3.50
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.15	-2.08	-6.21
Franklin County, PA	Ozone	Maintenance	100	-	-0.06	-0.91	-2.70
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.05	-0.75	-2.24
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.20	-2.82	-8.40

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.01	-0.13	-0.39
Fresno, CA	CO	Maintenance	100	-	-0.27	-3.78	-11.25
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.36	-4.99	-14.86
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.19	-0.57
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.22	-0.66
Great Falls, MT	CO	Maintenance	100	-	-0.01	-0.09	-0.26
Greater Connecticut, CT	Ozone	Moderate	50	-	-0.63	-8.87	-26.43
Greeley, CO	CO	Maintenance	100	-	-0.05	-0.77	-2.29
Green Bay, WI	SO _x	Maintenance	100	-	-0.05	-0.71	-2.13
Greene County, IN	Ozone	Maintenance	100	-	-0.02	-0.27	-0.82
Greene County, PA	Ozone	Maintenance	100	-	-0.02	-0.24	-0.71
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-0.64	-8.99	-26.80
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-0.31	-4.37	-13.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.34	-4.76	-14.17
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.01	-0.12	-0.37
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.05	-0.66	-1.96
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-0.37	-5.20	-15.49
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-0.34	-4.79	-14.27
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-0.40	-5.59	-16.65
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.00	-0.07	-0.20
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.02	-0.27	-0.80
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.00	-0.03	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	-0.02	-0.23	-0.68
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.06	-0.91	-2.72
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.11	-1.56	-4.65
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	61.45	-18.74	3,252.70
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	3.41	-0.70	180.17
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	3.46	0.07	182.46
Huron County, MI	Ozone	Maintenance	100	-	-0.01	-0.15	-0.44
Imperial County, CA	Ozone	Moderate	50	-	-0.11	-1.49	-4.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.10	-1.46	-4.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.01	-0.17	-0.52
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-0.86	-12.09	-36.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-0.69	-9.62	-28.67
Jackson County, IN	Ozone	Maintenance	100	-	-0.03	-0.43	-1.28
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.06	-0.84	-2.51
Jefferson County, NY	Ozone	Moderate	50	-	-0.05	-0.68	-2.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.08	-1.14	-3.40
Johnstown, PA	Ozone	Maintenance	100	-	-0.03	-0.42	-1.25
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.46	-1.37
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.08	-0.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.20	-2.74	-8.18
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.19	-0.58
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.72	-10.11	-30.13
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.06	-0.88	-2.62
Kent, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.17	-0.50
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.03	-0.46	-1.36
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.01	-0.13	-0.39
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.06	-0.19
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.26	-0.78

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.26	-0.78
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.54	-7.63	-22.73
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.41	-5.75	-17.14
La Porte County, IN	SO _x	Maintenance	100	-	-0.01	-0.17	-0.51
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.08	-0.25
Lake County, IN	SO _x	Maintenance	100	-	-0.11	-1.54	-4.59
Lake County, OH	SO _x	Maintenance	100	-	-0.01	-0.19	-0.57
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.02	-0.24	-0.72
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.04	-0.55	-1.64
Lake Tahoe, NV	CO	Maintenance	100	-	-0.01	-0.11	-0.33
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-0.19	-2.63	-7.85
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.19	-2.63	-7.85
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.19	-2.69	-8.01
LaPorte, IN	Ozone	Maintenance	100	-	-0.03	-0.48	-1.42
Las Vegas, NV	CO	Serious	100	-	-0.74	-10.37	-30.91
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-0.75	-10.48	-31.23
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.03	-0.45	-1.34
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.03	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.06	-0.17
Lima, OH	Ozone	Maintenance	100	-	23.27	5.04	1,222.38
Longmont, CO	CO	Maintenance	100	-	-0.04	-0.63	-1.86
Lorain County, OH	SO _x	Maintenance	100	-	-0.02	-0.26	-0.78

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	42.91	-83.45	2,325.84
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	42.91	-83.45	2,325.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	42.91	-83.45	2,325.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	42.91	-83.45	2,325.84
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	42.91	-83.45	2,325.85
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.31	-4.40	-13.12
Louisville, KY-IN	Ozone	Maintenance	100	-	-0.44	-6.11	-18.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-0.41	-5.81	-17.32
Lowell, MA	CO	Maintenance	100	-	-0.05	-0.71	-2.11
Lucas County, OH	SO _x	Maintenance	100	-	-0.11	-1.49	-4.44
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.31	-0.93
Macon, GA	Ozone	Maintenance	100	-	-0.07	-1.02	-3.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.07	-1.01	-3.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Madison, WI	SO _x	Maintenance	100	-	-0.12	-1.64	-4.89
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.26
Manchester, NH	CO	Maintenance	100	-	-0.03	-0.36	-1.09
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.04	-0.53	-1.59
Marion County, IN	SO _x	Maintenance	100	-	-0.11	-1.60	-4.75
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.06	-0.83	-2.49
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.13	-1.81	-5.41
Mason County, MI	Ozone	Maintenance	100	-	-0.01	-0.15	-0.46
Medford, OR	CO	Maintenance	100	-	-0.04	-0.54	-1.60
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.09	-1.30	-3.87
Memphis, TN-AR	Ozone	Maintenance	100	-	0.50	-4.90	29.97
Memphis, TN	CO	Maintenance	100	-	0.52	-4.53	31.07
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.01	-0.20	-0.59

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.00	-0.02	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-0.20	-2.76	-8.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-0.73	-10.30	-30.68
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.40	-16.22	191.54
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-1.20	-16.83	-50.13
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.37	-1.09
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.35	-1.05
Modesto, CA	CO	Maintenance	100	-	-0.16	-2.18	-6.50
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.05	-0.75	-2.25
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.00	-0.02	-0.05
Morristown, NJ	CO	Maintenance	100	-	-0.02	-0.23	-0.69
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.01	-0.15	-0.43
Muncie, IN	Ozone	Maintenance	100	-	-0.04	-0.53	-1.58
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.03	-0.10
Muscatine County, IA	SO _x	Maintenance	100	-	-0.01	-0.09	-0.27
Muskegon, MI	Ozone	Maintenance	100	-	-0.05	-0.74	-2.21
Nashua, NH	CO	Maintenance	100	-	-0.02	-0.30	-0.89
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.72	-10.06	-29.99
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.08	-1.15	-3.42
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.07	-0.93	-2.78
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-0.30	-4.17	-12.42
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.03	-0.09
New York County, NY	PM ₁₀	Moderate	100	-	-0.16	-2.24	-6.69
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.10	-41.74	90.45
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.95	-82.50	13.91
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.90	-81.73	16.21
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.02	-0.25	-0.73

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	8.93	-6.44	475.38
Ogden, UT	CO	Maintenance	100	-	-0.03	-0.38	-1.12
Ogden, UT	PM ₁₀	Moderate	100	-	-0.03	-0.38	-1.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.10	-0.30
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.70	-2.10
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.00	-0.03	-0.10
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.05	-0.76	-2.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.05	-0.76	-2.28
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.01	-0.12	-0.37
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.04	-0.51	-1.52
Perth Amboy, NJ	CO	Maintenance	100	-	0.83	-0.36	43.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.13	-1.87	-5.57
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	33.45	-15.82	1,774.87
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	32.61	-27.64	1,739.66
Phoenix, AZ	CO	Maintenance	100	-	-2.64	-37.01	-110.27
Phoenix, AZ	PM ₁₀	Serious	70	-	-2.71	-37.95	-113.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-2.71	-38.04	-113.35
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-0.15
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.01	-0.18	-0.54
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.73	-10.54	-30.18
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.66	-9.63	-27.45
Polk County, TN	SO _x	Maintenance	100	-	-0.01	-0.11	-0.34
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.06
Portland, ME	Ozone	Maintenance	100	-	-0.23	-3.19	-9.50

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Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.37	-6.42	-14.38
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.23	-0.69
Poughkeepsie, NY	Ozone	Moderate	50	-	-0.65	-9.06	-26.99
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.13
Providence (entire State), RI	Ozone	Moderate	50	-	-0.41	-5.82	-17.33
Provo, UT	CO	Maintenance	100	-	-0.08	-1.08	-3.23
Raleigh-Durham, NC	CO	Maintenance	100	-	-0.60	-8.39	-24.99
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-0.81	-11.37	-33.87
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	-0.13	-1.84	-5.49
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.13	-1.84	-5.49
Reno, NV	CO	Maintenance	100	-	-0.10	-1.39	-4.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.49	-6.88	-20.50
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.02	-0.35	-1.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.34	-4.75	-14.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.10	-1.39	-4.13
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.03	-0.48	-1.43
Rochester, NY	Ozone	Former Subpart 1	50	-	-0.53	-7.44	-22.17
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.07	-0.97	-2.90
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.65	-1.95
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	-0.76	-10.68	-31.82
Sacramento Metro, CA	Ozone	Severe	25	-	-1.41	-19.81	-59.03
Sacramento, CA	CO	Maintenance	100	-	-0.86	-12.02	-35.81
Salem, OR	CO	Maintenance	100	-	-0.05	-0.71	-2.11
Salt Lake City, UT	CO	Maintenance	100	-	0.61	-1.11	32.97

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.26	-5.97	18.51
Salt Lake County, UT	SO _x	Nonattainment	100	-	-0.44	-6.13	-18.28
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.81	-11.36	-33.81
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.19	-2.68	-7.97
San Diego, CA	CO	Maintenance	100	-	-2.04	-28.58	-85.16
San Diego, CA	Ozone	Former Subpart 1	50	-	-2.04	-28.64	-85.33
San Francisco Bay Area, CA	Ozone	Marginal	50	-	136.62	-7.44	7,204.81
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	136.27	-12.43	7,189.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.81	-31.60	-18.38
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.82	-31.67	-18.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.81	-31.60	-18.38
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.02	-0.23	-0.67
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-0.27	-3.72	-11.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	-1.32	-18.47	-55.05
Sheboygan, WI	Ozone	Moderate	50	-	-0.05	-0.71	-2.10
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.12	-0.35
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.01	-0.10	-0.31
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.18	-2.52	-7.50
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.05	-0.67	-2.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.13	-1.82	-5.42
Spokane, WA	CO	Maintenance	100	-	-0.13	-1.80	-5.36
Springfield (western MA), MA	Ozone	Moderate	50	-	-0.35	-4.96	-14.79
Springfield, MA	CO	Maintenance	100	-	-0.06	-0.87	-2.60
St. Louis, MO	CO	Maintenance	100	-	-0.29	-4.11	-12.25
St. Louis, MO-IL	Ozone	Moderate	50	-	118.12	13.26	6,213.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	118.13	13.36	6,214.07

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.08	-1.06	-3.16
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.14	-0.41
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.20	-0.60
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.99	-0.21	52.33
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.99	-0.21	52.33
Stockton, CA	CO	Maintenance	100	-	-0.24	-3.39	-10.09
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.19	-2.70	-8.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-0.04	-0.62	-1.83
Tioga County, PA	Ozone	Maintenance	100	-	-0.02	-0.28	-0.83
Toledo, OH	Ozone	Maintenance	100	-	6.38	-1.27	337.35
Toms River, NJ	CO	Maintenance	100	-	-0.05	-0.68	-2.02
Tooele County, UT	SO _x	Nonattainment	100	-	-0.04	-0.60	-1.80
Trenton, NJ	CO	Maintenance	100	-	-0.04	-0.52	-1.54
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.07
Tucson, AZ	CO	Maintenance	100	-	-0.45	-6.33	-18.86
Utah County, UT	PM ₁₀	Moderate	100	-	-0.22	-3.09	-9.21
Vancouver, WA	CO	Maintenance	100	-	-0.15	-2.11	-6.28
Ventura County, CA	Ozone	Serious	50	-	-0.34	-5.83	-13.64
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	-0.04	-0.62	-1.83
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.02	-0.31	-0.93
Warren County, NJ	SO _x	Maintenance	100	-	-0.01	-0.21	-0.62
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.07	-0.20
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.08	-1.16	-3.47
Washington, DC-MD-VA	CO	Maintenance	100	-	-0.67	-9.43	-28.11

Appendix B

Table B.1-148
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-2.41	-33.80	-100.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-2.35	-33.02	-98.39
Washoe County, NV	PM ₁₀	Serious	70	-	-0.10	-1.39	-4.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.02	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	-0.02	-0.33	-0.98
Wayne County, MI	PM ₁₀	Maintenance	100	-	2.74	-0.03	144.45
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.10
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.05	-0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.05	-0.69	-2.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.05	-0.69	-2.05
Winston-Salem, NC	CO	Maintenance	100	-	-0.17	-2.37	-7.06
Worcester, MA	CO	Maintenance	100	-	-0.10	-1.41	-4.20
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.54	-1.62
Yakima, WA	CO	Maintenance	100	-	-0.02	-0.27	-0.80
York, PA	Ozone	Maintenance	100	-	-0.19	-2.68	-7.98
York, PA	PM _{2.5}	Nonattainment	100	-	-0.15	-2.07	-6.17
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-0.22	-3.09	-9.20
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.09	-1.23	-3.67

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.17
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.13
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.03	-0.06	-0.13
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-10.50	-18.68	-45.07
Albuquerque, NM	CO	Maintenance	100	-	-4.25	-7.57	-18.33
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.78	-3.17	-7.59
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-3.20	-5.72	-13.97
Altoona, PA	Ozone	Maintenance	100	-	-1.60	-2.85	-6.80
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.36	-0.64	-1.64
Anchorage, AK	CO	Maintenance	100	-	-2.80	-4.96	-11.80
Anthony, NM	PM ₁₀	Moderate	100	-	-0.14	-0.25	-0.59
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.13	-0.23	-0.54
Atlanta, GA	Ozone	Moderate	50	-	-50.86	-90.56	-218.84
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-50.94	-90.70	-219.17
Atlantic City, NJ	CO	Maintenance	100	-	-0.18	-0.33	-0.82
Bakersfield, CA	CO	Maintenance	100	-	-6.09	-10.81	-25.82
Baltimore, MD	CO	Maintenance	100	-	-0.12	-0.22	-0.53
Baltimore, MD	Ozone	Moderate	50	-	-11.95	-21.36	-52.84
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-11.95	-21.36	-52.84
Baton Rouge, LA	Ozone	Moderate	50	-	-26.04	-46.19	-109.30
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-43.14	-76.48	-180.32
Benton County, TN	SO _x	Maintenance	100	-	-0.05	-0.09	-0.21
Benton Harbor, MI	Ozone	Maintenance	100	-	-3.44	-6.10	-14.52
Benzie County, MI	Ozone	Maintenance	100	-	-0.34	-0.61	-1.45
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-2.30	-4.09	-9.75
Billings, MT	CO	Maintenance	100	-	-11.65	-20.65	-48.66
Birmingham, AL	Ozone	Maintenance	100	-	-7.63	-13.59	-32.88

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**Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-7.68	-13.68	-33.08
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-6.52	-11.58	-27.52
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-6.52	-11.58	-27.52
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.28	-0.50	-1.19
Boston, MA	CO	Maintenance	100	-	-3.65	-6.52	-16.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-17.15	-30.71	-76.71
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.70	-3.05	-7.74
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.68	-1.20	-2.84
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-7.24	-12.91	-31.39
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.06	-0.15
Butte, MT	PM ₁₀	Moderate	100	-	-0.98	-1.73	-4.10
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.44	-0.77	-1.84
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.17	-9.17	-21.85
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.17	-9.17	-21.85
Case County, MI	Ozone	Maintenance	100	-	-0.66	-1.18	-2.81
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.07
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.22	-0.39	-0.91
Charleston, WV	Ozone	Maintenance	100	-	-1.70	-3.02	-7.37
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.70	-3.02	-7.37
Charlotte, NC	CO	Maintenance	100	-	-3.77	-6.73	-16.47
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-13.63	-24.26	-58.51
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-12.12	-21.51	-51.09
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-11.09	-19.69	-46.77
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-42.76	-76.23	-185.48
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-45.16	-80.49	-195.71
Chico, CA	CO	Maintenance	100	-	-0.85	-1.51	-3.64
Chico, CA	Ozone	Former Subpart 1	50	-	-1.98	-3.53	-8.51
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-13.27	-23.64	-57.34

Appendix B

**Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-12.37	-22.05	-53.54
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.16	-0.28	-0.68
Clark County, NV	PM ₁₀	Serious	70	-	-7.69	-13.71	-33.53
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-6.68	-11.86	-28.14
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-3.77	-6.69	-15.89
Cleveland, OH	CO	Maintenance	100	-	-7.07	-12.60	-30.48
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-14.41	-25.71	-62.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-13.24	-23.61	-57.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.10	-1.99	-5.21
Colbert County, AL	SO _x	Maintenance	100	-	-1.14	-2.03	-4.84
Colorado Springs, CO	CO	Maintenance	100	-	-8.30	-14.75	-35.21
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.12	-0.22	-0.52
Columbia, SC	Ozone	Former Subpart 1	50	-	-13.36	-23.72	-56.39
Columbus, OH	Ozone	Maintenance	100	-	-14.77	-26.29	-63.30
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-12.69	-22.59	-54.49
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.02	-0.04	-0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-7.07	-12.60	-30.48
Cuyahoga County, OH	SO _x	Maintenance	100	-	-5.76	-10.26	-24.84
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-48.48	-86.35	-209.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-6.54	-11.65	-28.15
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-5.67	-10.10	-24.42
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-13.22	-23.61	-58.11
Denver-Boulder, CO	CO	Maintenance	100	-	-12.92	-23.08	-56.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-23.06	-41.09	-99.76
Detroit, MI	CO	Maintenance	100	-	-14.80	-26.33	-63.37
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-36.37	-64.75	-156.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-34.84	-62.04	-149.96
Door County, WI	Ozone	Former Subpart 1	50	-	-0.10	-0.18	-0.45

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.27	-0.49	-1.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.21	-0.38	-0.92
Duluth, MN	CO	Maintenance	100	-	-1.50	-2.66	-6.33
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.17	-0.30	-0.71
East Chicago, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.07
East Chicago, IN	PM ₁₀	Maintenance	100	-	-8.70	-15.43	-36.48
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.08
El Paso County, TX	PM ₁₀	Moderate	100	-	-5.52	-9.82	-23.52
El Paso, TX	CO	Maintenance	100	-	-0.30	-0.53	-1.27
Erie, PA	Ozone	Maintenance	100	-	-1.67	-2.98	-7.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-4.15	-7.37	-17.54
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-3.96	-7.04	-16.75
Evansville, IN	Ozone	Maintenance	100	-	-2.76	-4.91	-11.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-4.56	-8.11	-19.36
Fairbanks, AK	CO	Maintenance	100	-	-0.56	-0.99	-2.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.51	-2.69	-6.58
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.16	-0.28	-0.68
Flint, MI	Ozone	Maintenance	100	-	-3.50	-6.24	-15.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.10
Fort Collins, CO	CO	Maintenance	100	-	-1.95	-3.46	-8.30
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Fort Wayne, IN	Ozone	Maintenance	100	-	-7.71	-13.68	-32.52
Franklin County, PA	Ozone	Maintenance	100	-	-2.73	-4.85	-11.54
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.07
Frederick County, VA	Ozone	Former Subpart 1	50	-	-4.30	-7.63	-18.07
Fredericksburg, VA	Ozone	Maintenance	100	-	-4.45	-7.92	-18.98
Freehold, NJ	CO	Maintenance	100	-	-0.06	-0.10	-0.25

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**Table B.1-149
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Fresno, CA	CO	Maintenance	100	-	-2.65	-4.73	-11.64
Grand Rapids, MI	Ozone	Maintenance	100	-	-7.66	-13.62	-32.75
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.63	-1.12	-2.67
Grant County, NM	SO _x	Maintenance	100	-	-0.08	-0.14	-0.33
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.60	-1.06	-2.52
Great Falls, MT	CO	Maintenance	100	-	-0.58	-1.02	-2.43
Greater Connecticut, CT	Ozone	Moderate	50	-	-9.23	-16.47	-40.20
Greeley, CO	CO	Maintenance	100	-	-2.76	-4.91	-11.65
Green Bay, WI	SO _x	Maintenance	100	-	-1.04	-1.85	-4.46
Greene County, IN	Ozone	Maintenance	100	-	-1.71	-3.03	-7.17
Greene County, PA	Ozone	Maintenance	100	-	-1.18	-2.10	-4.98
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-12.69	-22.59	-54.57
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-5.75	-10.24	-24.81
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-21.94	-38.93	-92.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.14	-0.25	-0.61
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.15	-2.05	-4.91
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-4.84	-8.63	-21.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-4.74	-8.45	-20.56
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-5.12	-9.14	-22.45
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.24
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.29	-0.52	-1.27
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.04	-0.09
Hazelwood, PA	SO _x	Maintenance	100	-	-0.45	-0.80	-1.92
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.26	-2.25	-5.45
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-2.24	-3.99	-9.64
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-164.99	-292.77	-693.74

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Humphreys County, TN	SO _x	Maintenance	100	-	-0.07	-0.13	-0.31
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-18.02	-31.96	-75.46
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-14.77	-26.18	-61.75
Huron County, MI	Ozone	Maintenance	100	-	-0.45	-0.80	-1.90
Imperial County, CA	Ozone	Moderate	50	-	-1.35	-2.40	-5.83
Imperial Valley, CA	PM ₁₀	Serious	70	-	-1.32	-2.35	-5.70
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.39	-0.70	-1.68
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Indianapolis, IN	Ozone	Maintenance	100	-	-18.34	-32.63	-78.51
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-14.04	-24.98	-60.15
Jackson County, IN	Ozone	Maintenance	100	-	-2.68	-4.75	-11.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.51	-2.69	-6.47
Jefferson County, NY	Ozone	Moderate	50	-	-0.63	-1.12	-2.73
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.25	-0.45	-1.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-6.27	-11.12	-26.36
Johnstown, PA	Ozone	Maintenance	100	-	-1.34	-2.37	-5.68
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.75	-3.12	-7.44
Juneau, AK	PM ₁₀	Moderate	100	-	-0.43	-0.76	-1.79
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-6.18	-10.98	-26.27
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.66	-1.17	-2.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	-26.24	-46.61	-111.11
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.16	-0.29	-0.81
Kent, WA	PM ₁₀	Maintenance	100	-	-0.24	-0.42	-1.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.96	-1.71	-4.10
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.18	-0.32	-0.77
King County, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.18	-0.42
Klamath Falls, OR	CO	Maintenance	100	-	-1.08	-1.92	-4.56
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.08	-1.92	-4.56

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Knoxville, TN	Ozone	Former Subpart 1	50	-	-23.97	-42.56	-101.16
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-19.76	-35.07	-83.31
La Porte County, IN	SO _x	Maintenance	100	-	-0.77	-1.37	-3.25
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.40	-0.71	-1.69
Lake County, IN	SO _x	Maintenance	100	-	-4.40	-7.82	-18.68
Lake County, OH	SO _x	Maintenance	100	-	-0.13	-0.23	-0.58
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.14	-0.25	-0.60
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.06	-0.10	-0.27
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.14	-0.25	-0.63
Lake Tahoe, NV	CO	Maintenance	100	-	-0.12	-0.21	-0.51
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.47	-0.83	-1.96
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-1.58	-2.84	-7.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.58	-2.84	-7.06
Lane County, OR	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.11
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.10	-3.76	-9.26
LaPorte, IN	Ozone	Maintenance	100	-	-2.16	-3.83	-9.10
Las Vegas, NV	CO	Serious	100	-	-7.69	-13.71	-33.53
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-7.81	-13.93	-34.05
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.36	-0.64	-1.59
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.15
Libby, MT	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.25
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.08	-0.14	-0.33
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.16	-0.28	-0.68
Lima, OH	Ozone	Maintenance	100	-	-4.88	-8.66	-20.46
Longmont, CO	CO	Maintenance	100	-	-0.21	-0.38	-0.96
Lorain County, OH	SO _x	Maintenance	100	-	-0.23	-0.40	-0.99
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-81.40	-145.22	-354.80
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-81.40	-145.22	-354.80

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-81.40	-145.22	-354.80
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-81.41	-145.23	-354.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-81.40	-145.22	-354.78
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.81	-5.02	-12.41
Louisville, KY-IN	Ozone	Maintenance	100	-	-8.26	-14.72	-35.62
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-8.32	-14.82	-35.84
Lowell, MA	CO	Maintenance	100	-	-0.40	-0.72	-1.79
Lucas County, OH	SO _x	Maintenance	100	-	-2.15	-3.82	-9.26
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.31	-0.55	-1.35
Macon, GA	Ozone	Maintenance	100	-	-4.82	-8.56	-20.32
Macon, GA	PM _{2.5}	Nonattainment	100	-	-4.78	-8.49	-20.16
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.04	-0.06	-0.15
Madison, WI	SO _x	Maintenance	100	-	-1.72	-3.06	-7.40
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.10	-0.18	-0.42
Manchester, NH	CO	Maintenance	100	-	-0.12	-0.22	-0.59
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.33	-0.59	-1.47
Marion County, IN	SO _x	Maintenance	100	-	-4.16	-7.40	-17.69
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.50	-0.90	-2.21
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-5.42	-9.63	-22.94
Mason County, MI	Ozone	Maintenance	100	-	-0.34	-0.61	-1.45
Medford, OR	CO	Maintenance	100	-	-0.24	-0.43	-1.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.58	-1.03	-2.59
Memphis, TN-AR	Ozone	Maintenance	100	-	-12.63	-22.45	-53.72
Memphis, TN	CO	Maintenance	100	-	-8.28	-14.74	-35.50
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.25	-0.45	-1.07
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.06	-0.10	-0.25
Milwaukee, WI	SO _x	Maintenance	100	-	-3.74	-6.66	-16.15

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-11.12	-19.82	-48.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-41.27	-73.33	-175.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-30.59	-54.40	-130.42
Missoula, MT	CO	Maintenance	100	-	-2.41	-4.28	-10.12
Missoula, MT	PM ₁₀	Moderate	100	-	-2.34	-4.15	-9.81
Modesto, CA	CO	Maintenance	100	-	-2.52	-4.48	-10.79
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.77	-1.38	-3.33
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.12
Morristown, NJ	CO	Maintenance	100	-	-0.11	-0.20	-0.51
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.54	-0.96	-2.28
Muncie, IN	Ozone	Maintenance	100	-	-3.85	-6.84	-16.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.07	-0.12	-0.29
Muscatine County, IA	SO _x	Maintenance	100	-	-0.27	-0.48	-1.13
Muskegon, MI	Ozone	Maintenance	100	-	-2.04	-3.62	-8.62
Nashua, NH	CO	Maintenance	100	-	-0.10	-0.17	-0.47
Nashville, TN	Ozone	Former Subpart 1	50	-	-11.68	-20.80	-50.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.71	-1.26	-3.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.92	-3.41	-8.14
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-10.66	-18.94	-45.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.15	-0.26	-0.63
New York County, NY	PM ₁₀	Moderate	100	-	-20.20	-35.84	-84.73
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-86.03	-152.97	-366.80
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-126.99	-226.02	-544.80
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-123.94	-220.60	-531.94
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.31	-0.55	-1.33
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-17.57	-31.24	-74.88
Ogden, UT	CO	Maintenance	100	-	-0.32	-0.57	-1.41

Appendix B

**Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Ogden, UT	PM ₁₀	Moderate	100	-	-0.32	-0.57	-1.41
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.25	-0.44	-1.06
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.77	-1.37	-3.31
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.03	-0.06	-0.14
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-2.56	-4.54	-10.81
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.71	-4.82	-11.46
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.17	-0.30	-0.72
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.38	-0.68	-1.68
Perth Amboy, NJ	CO	Maintenance	100	-	-0.80	-1.42	-3.41
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-2.33	-4.15	-10.11
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-57.35	-101.92	-243.72
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-67.56	-120.15	-288.43
Phoenix, AZ	CO	Maintenance	100	-	-14.63	-26.21	-65.50
Phoenix, AZ	PM ₁₀	Serious	70	-	-15.22	-27.25	-68.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-15.27	-27.35	-68.32
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.33	-0.59	-1.39
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Pittsburgh, PA	CO	Maintenance	100	-	-0.25	-0.44	-1.07
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-21.03	-37.39	-89.76
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-17.79	-31.65	-76.09
Polk County, TN	SO _x	Maintenance	100	-	-0.45	-0.80	-1.89
Polson, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.11
Portland, ME	Ozone	Maintenance	100	-	-4.33	-7.70	-18.61
Portland, OR	CO	Maintenance	100	-	-7.18	-12.81	-31.15
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.95	-1.68	-3.99

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**Table B.1-149
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Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Poughkeepsie, NY	Ozone	Moderate	50	-	-6.23	-11.13	-27.34
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.16	-0.28	-0.67
Providence (entire State), RI	Ozone	Moderate	50	-	-9.78	-17.40	-41.80
Provo, UT	CO	Maintenance	100	-	-1.05	-1.87	-4.55
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.17	-9.24	-22.86
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-7.97	-14.23	-35.00
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.12
Reading, PA	Ozone	Maintenance	100	-	-2.53	-4.51	-10.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	-2.53	-4.51	-10.90
Reno, NV	CO	Maintenance	100	-	-1.71	-3.05	-7.39
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.03	-0.06
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-8.31	-14.80	-35.90
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.34	-0.61	-1.47
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.10	-1.99	-5.21
Roanoke, VA	Ozone	Former Subpart 1	50	-	-3.92	-6.97	-16.63
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.92	-1.64	-3.93
Rochester, NY	Ozone	Former Subpart 1	50	-	-8.11	-14.46	-35.20
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.18	-3.87	-9.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	-2.37	-4.21	-10.00
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.05	-0.08	-0.20
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.61	-10.04	-24.86
Sacramento Metro, CA	Ozone	Severe	25	-	-13.54	-24.15	-59.05
Sacramento, CA	CO	Maintenance	100	-	-6.28	-11.23	-27.81
Salem, OR	CO	Maintenance	100	-	-0.69	-1.24	-3.03
Salt Lake City, UT	CO	Maintenance	100	-	-1.48	-2.64	-6.38
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-5.01	-8.94	-21.93
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.44	-7.94	-19.58

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**Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Antonio, TX	Ozone	Former Subpart 1	50	-	-31.98	-56.80	-135.24
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.39	-2.49	-6.23
San Diego, CA	CO	Maintenance	100	-	-11.80	-21.17	-53.30
San Diego, CA	Ozone	Former Subpart 1	50	-	-11.82	-21.21	-53.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-57.87	-102.96	-247.71
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-60.12	-107.01	-257.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-33.73	-60.06	-145.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-33.97	-60.48	-146.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-33.73	-60.06	-145.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.15	-0.27	-0.67
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.09
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-5.87	-10.45	-25.16
Seattle-Tacoma, WA	CO	Maintenance	100	-	-26.66	-47.43	-114.16
Sheboygan, WI	Ozone	Moderate	50	-	-0.89	-1.59	-3.84
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.76	-1.35	-3.19
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.05	-0.10	-0.24
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-4.13	-7.35	-17.69
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.89	-1.59	-3.89
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.48	-6.18	-14.79
Spokane, WA	CO	Maintenance	100	-	-3.44	-6.12	-14.65
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.30	-5.91	-14.68
Springfield, MA	CO	Maintenance	100	-	-0.59	-1.05	-2.60
St. Louis, MO	CO	Maintenance	100	-	-19.58	-34.77	-82.64
St. Louis, MO-IL	Ozone	Moderate	50	-	-49.47	-87.87	-209.37
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-49.38	-87.70	-208.96
State College, PA	Ozone	Maintenance	100	-	-0.47	-0.85	-2.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.21	-0.38	-0.91

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Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-1.39	-2.46	-5.83
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-3.52	-6.24	-14.78
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-3.52	-6.24	-14.78
Stockton, CA	CO	Maintenance	100	-	-2.89	-5.15	-12.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-7.61	-13.52	-32.27
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-3.17	-5.63	-13.36
Tioga County, PA	Ozone	Maintenance	100	-	-0.29	-0.52	-1.28
Toledo, OH	Ozone	Maintenance	100	-	-9.47	-16.82	-40.07
Toms River, NJ	CO	Maintenance	100	-	-0.32	-0.57	-1.43
Tooele County, UT	SO _x	Nonattainment	100	-	-1.65	-2.94	-7.00
Trenton, NJ	CO	Maintenance	100	-	-0.37	-0.67	-1.65
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Tucson, AZ	CO	Maintenance	100	-	-7.12	-12.69	-30.70
Utah County, UT	PM ₁₀	Moderate	100	-	-3.16	-5.63	-13.67
Vancouver, WA	CO	Maintenance	100	-	-1.81	-3.23	-7.86
Ventura County, CA	Ozone	Serious	50	-	-2.84	-5.09	-12.68
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.31	-0.55	-1.30
Vigo County, IN	SO _x	Maintenance	100	-	-3.17	-5.63	-13.36
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.20	-0.36	-0.90
Warren County, NJ	SO _x	Maintenance	100	-	-0.14	-0.24	-0.61
Warren County, PA	SO _x	Nonattainment	100	-	-0.10	-0.17	-0.42
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-3.79	-6.73	-16.03
Washington, DC-MD-VA	CO	Maintenance	100	-	-5.17	-9.26	-23.15
Washington, DC-MD-VA	Ozone	Moderate	50	-	-20.89	-37.36	-92.53
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-19.57	-35.01	-86.91
Washoe County, NV	PM ₁₀	Serious	70	-	-1.71	-3.05	-7.39

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**Table B.1-149
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.11	-0.20	-0.47
Wayne County, IN	SO _x	Maintenance	100	-	-1.37	-2.44	-5.80
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.70	-4.79	-11.32
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.24	-0.42	-1.00
Weirton, WV	SO _x	Maintenance	100	-	-0.31	-0.55	-1.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	-3.43	-6.09	-14.46
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-3.43	-6.09	-14.46
Winston-Salem, NC	CO	Maintenance	100	-	-3.42	-6.09	-14.69
Worcester, MA	CO	Maintenance	100	-	-0.64	-1.15	-2.90
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.51	-2.69	-6.41
Yakima, WA	CO	Maintenance	100	-	-0.61	-1.07	-2.56
York, PA	Ozone	Maintenance	100	-	-3.62	-6.45	-15.55
York, PA	PM _{2.5}	Nonattainment	100	-	-2.36	-4.21	-10.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-4.68	-8.34	-20.19
Yuma, AZ	PM ₁₀	Moderate	100	-	-1.66	-2.95	-7.10

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.09	-0.18	-0.41
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.14	-0.33
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.07	-0.14	-0.35
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-24.13	-48.77	-117.11
Albuquerque, NM	CO	Maintenance	100	-	-9.76	-19.77	-48.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	-4.12	-8.28	-19.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-7.31	-14.90	-37.89
Altoona, PA	Ozone	Maintenance	100	-	-3.72	-7.46	-16.94
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.76	-1.62	-5.19
Anchorage, AK	CO	Maintenance	100	-	-6.43	-12.87	-28.87
Anthony, NM	PM ₁₀	Moderate	100	-	-0.32	-0.64	-1.44
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.05	-0.15
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.30	-0.59	-1.33
Atlanta, GA	Ozone	Moderate	50	-	-116.61	-236.06	-572.14
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-116.78	-236.41	-572.91
Atlantic City, NJ	CO	Maintenance	100	-	-0.41	-0.85	-2.35
Bakersfield, CA	CO	Maintenance	100	-	-13.85	-27.82	-63.80
Baltimore, MD	CO	Maintenance	100	-	-0.29	-0.59	-1.36
Baltimore, MD	Ozone	Moderate	50	-	-26.96	-55.49	-149.23
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-26.96	-55.49	-149.23
Baton Rouge, LA	Ozone	Moderate	50	-	-60.59	-120.89	-264.73
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-100.64	-200.31	-430.45
Benton County, TN	SO _x	Maintenance	100	-	-0.12	-0.23	-0.50
Benton Harbor, MI	Ozone	Maintenance	100	-	-7.98	-15.98	-35.89
Benzie County, MI	Ozone	Maintenance	100	-	-0.79	-1.58	-3.61
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-5.33	-10.69	-24.27
Billings, MT	CO	Maintenance	100	-	-27.21	-54.12	-115.95
Birmingham, AL	Ozone	Maintenance	100	-	-17.54	-35.51	-86.14

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-17.65	-35.74	-86.65
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-15.13	-30.27	-67.82
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-15.13	-30.27	-67.82
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.66	-1.33	-3.00
Boston, MA	CO	Maintenance	100	-	-8.31	-17.06	-45.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-38.51	-79.81	-222.99
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.76	-7.88	-23.55
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.60	-3.20	-6.90
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-16.59	-33.70	-83.73
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.15	-0.41
Butte, MT	PM ₁₀	Moderate	100	-	-2.28	-4.54	-9.87
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.02	-2.05	-4.56
Canton-Massillon, OH	Ozone	Maintenance	100	-	-11.98	-24.01	-54.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-11.98	-24.01	-54.15
Case County, MI	Ozone	Maintenance	100	-	-1.54	-3.08	-7.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.04	-0.08	-0.18
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.51	-1.01	-2.22
Charleston, WV	Ozone	Maintenance	100	-	-3.89	-7.91	-19.72
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.89	-7.91	-19.72
Charlotte, NC	CO	Maintenance	100	-	-8.57	-17.50	-44.91
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-31.31	-63.29	-151.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-28.14	-56.29	-125.49
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-25.76	-51.53	-114.84
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-97.67	-198.65	-496.28
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-103.19	-209.77	-522.45
Chico, CA	CO	Maintenance	100	-	-1.97	-3.98	-9.61
Chico, CA	Ozone	Former Subpart 1	50	-	-4.54	-9.18	-22.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-30.40	-61.67	-151.77

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-28.32	-57.51	-142.31
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.36	-0.73	-1.71
Clark County, NV	PM ₁₀	Serious	70	-	-17.44	-35.62	-91.45
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-15.53	-31.03	-68.75
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-8.75	-17.50	-39.12
Cleveland, OH	CO	Maintenance	100	-	-16.29	-32.97	-79.90
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-32.94	-67.12	-169.62
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-30.25	-61.65	-155.89
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.33	-5.05	-17.40
Colbert County, AL	SO _x	Maintenance	100	-	-2.66	-5.32	-11.95
Colorado Springs, CO	CO	Maintenance	100	-	-19.20	-38.54	-88.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.29	-0.57	-1.27
Columbia, SC	Ozone	Former Subpart 1	50	-	-31.01	-62.04	-138.82
Columbus, OH	Ozone	Maintenance	100	-	-33.95	-68.56	-163.41
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-29.13	-58.89	-141.57
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.11	-0.26
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-16.29	-32.97	-79.91
Cuyahoga County, OH	SO _x	Maintenance	100	-	-13.32	-26.96	-65.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-110.85	-224.79	-551.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-15.05	-30.45	-73.50
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-13.05	-26.40	-63.88
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-29.88	-61.30	-161.53
Denver-Boulder, CO	CO	Maintenance	100	-	-29.23	-59.92	-157.26
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-52.67	-106.98	-265.15
Detroit, MI	CO	Maintenance	100	-	-33.83	-68.27	-161.82
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-83.57	-169.07	-407.96
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-80.04	-161.99	-392.01

Appendix B

Table B.1-150							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.22	-0.46	-1.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.61	-1.24	-3.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.48	-0.98	-2.38
Duluth, MN	CO	Maintenance	100	-	-3.49	-6.99	-15.73
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.39	-0.78	-1.74
East Chicago, IN	CO	Maintenance	100	-	-0.04	-0.07	-0.16
East Chicago, IN	PM ₁₀	Maintenance	100	-	-20.25	-40.38	-88.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.04	-0.09	-0.20
El Paso County, TX	PM ₁₀	Moderate	100	-	-12.66	-25.47	-59.27
El Paso, TX	CO	Maintenance	100	-	-0.67	-1.35	-3.21
Erie, PA	Ozone	Maintenance	100	-	-3.84	-7.78	-18.93
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	-9.68	-19.39	-43.67
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-9.25	-18.53	-41.74
Evansville, IN	Ozone	Maintenance	100	-	-6.38	-12.83	-29.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-10.54	-21.16	-48.43
Fairbanks, AK	CO	Maintenance	100	-	-1.29	-2.58	-5.67
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.43	-7.01	-17.98
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.37	-0.75	-1.66
Flint, MI	Ozone	Maintenance	100	-	-8.03	-16.29	-40.07
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.06	-0.11	-0.25
Fort Collins, CO	CO	Maintenance	100	-	-4.48	-9.02	-21.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.16
Fort Wayne, IN	Ozone	Maintenance	100	-	-17.89	-35.80	-79.99
Franklin County, PA	Ozone	Maintenance	100	-	-6.33	-12.68	-28.56
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.04	-0.07	-0.16
Frederick County, VA	Ozone	Former Subpart 1	50	-	-10.01	-19.98	-43.88
Fredericksburg, VA	Ozone	Maintenance	100	-	-10.26	-20.65	-48.27

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.13	-0.27	-0.76
Fresno, CA	CO	Maintenance	100	-	-5.90	-12.10	-31.88
Grand Rapids, MI	Ozone	Maintenance	100	-	-17.63	-35.55	-84.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.44	-2.89	-6.57
Grant County, NM	SO _x	Maintenance	100	-	-0.18	-0.35	-0.78
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.04	-0.09
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.39	-2.79	-6.29
Great Falls, MT	CO	Maintenance	100	-	-1.33	-2.66	-5.87
Greater Connecticut, CT	Ozone	Moderate	50	-	-21.10	-42.99	-108.60
Greeley, CO	CO	Maintenance	100	-	-6.44	-12.88	-28.69
Green Bay, WI	SO _x	Maintenance	100	-	-2.36	-4.78	-11.45
Greene County, IN	Ozone	Maintenance	100	-	-3.97	-7.93	-17.38
Greene County, PA	Ozone	Maintenance	100	-	-2.75	-5.49	-12.16
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-29.16	-59.00	-142.45
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-13.21	-26.76	-65.30
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-50.98	-101.91	-226.23
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.33	-0.66	-1.64
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.65	-5.34	-12.56
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-11.03	-22.46	-56.71
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-10.82	-22.01	-55.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-11.66	-23.85	-61.82
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.13	-0.26	-0.67
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.68	-1.38	-3.34
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.05	-0.10	-0.25
Hazelwood, PA	SO _x	Maintenance	100	-	-1.05	-2.12	-4.93
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.90	-5.88	-14.37
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-5.15	-10.43	-25.24
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.12

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-383.56	-766.00	-1,688.85
Humphreys County, TN	SO _x	Maintenance	100	-	-0.17	-0.34	-0.75
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-42.01	-83.69	-181.26
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-34.45	-68.57	-147.65
Huron County, MI	Ozone	Maintenance	100	-	-1.04	-2.08	-4.72
Imperial County, CA	Ozone	Moderate	50	-	-3.07	-6.24	-15.56
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.00	-6.10	-15.21
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.86	-1.73	-4.03
Indianapolis, IN	CO	Maintenance	100	-	-0.03	-0.06	-0.14
Indianapolis, IN	Ozone	Maintenance	100	-	-42.21	-85.17	-202.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-32.29	-65.19	-155.28
Jackson County, IN	Ozone	Maintenance	100	-	-6.23	-12.44	-27.30
Jamestown, NY	Ozone	Former Subpart 1	50	-	-3.49	-7.03	-16.58
Jefferson County, NY	Ozone	Moderate	50	-	-1.42	-2.91	-7.48
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.59	-1.17	-2.57
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-14.58	-29.11	-64.21
Johnstown, PA	Ozone	Maintenance	100	-	-3.10	-6.22	-14.28
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-4.06	-8.14	-18.48
Juneau, AK	PM ₁₀	Moderate	100	-	-1.01	-2.01	-4.38
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-14.28	-28.71	-66.34
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.53	-3.06	-6.81
Kansas City, MO-KS	Ozone	Maintenance	100	-	-60.75	-121.83	-276.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.33	-0.74	-3.06
Kent, WA	PM ₁₀	Maintenance	100	-	-0.56	-1.13	-2.67
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.12	-4.27	-9.96
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.41	-0.83	-2.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.23	-0.46	-1.09
Klamath Falls, OR	CO	Maintenance	100	-	-2.51	-5.03	-11.22

Appendix B

Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-2.51	-5.03	-11.22
Knoxville, TN	Ozone	Former Subpart 1	50	-	-55.59	-111.25	-249.15
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-45.84	-91.70	-204.75
La Porte County, IN	SO _x	Maintenance	100	-	-1.79	-3.58	-7.99
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.95	-1.89	-4.18
Lake County, IN	SO _x	Maintenance	100	-	-10.15	-20.37	-46.52
Lake County, OH	SO _x	Maintenance	100	-	-0.30	-0.61	-1.67
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.34	-0.67	-1.49
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.12	-0.26	-0.86
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.30	-0.63	-2.00
Lake Tahoe, NV	CO	Maintenance	100	-	-0.26	-0.54	-1.35
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.09	-2.18	-4.73
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.12
Lancaster, PA	Ozone	Maintenance	100	-	-3.56	-7.37	-20.37
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.56	-7.37	-20.37
Lane County, OR	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.27
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.77	-9.79	-25.80
LaPorte, IN	Ozone	Maintenance	100	-	-5.02	-10.03	-22.36
Las Vegas, NV	CO	Serious	100	-	-17.44	-35.62	-91.45
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-17.69	-36.14	-92.80
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.82	-1.68	-4.48
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.08	-0.17	-0.37
Libby, MT	PM ₁₀	Moderate	100	-	-0.13	-0.27	-0.62
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.18	-0.36	-0.83
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.36	-0.73	-1.71
Lima, OH	Ozone	Maintenance	100	-	-11.37	-22.66	-49.37
Longmont, CO	CO	Maintenance	100	-	-0.46	-0.98	-3.03
Lorain County, OH	SO _x	Maintenance	100	-	-0.51	-1.05	-2.72

Appendix B

**Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-185.13	-377.72	-962.78
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-185.13	-377.72	-962.78
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-185.13	-377.72	-962.78
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-185.14	-377.72	-962.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-185.12	-377.70	-962.74
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-6.35	-13.05	-34.98
Louisville, KY-IN	Ozone	Maintenance	100	-	-18.98	-38.44	-93.55
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-19.13	-38.72	-93.76
Lowell, MA	CO	Maintenance	100	-	-0.93	-1.91	-5.25
Lucas County, OH	SO _x	Maintenance	100	-	-4.93	-9.99	-24.36
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.70	-1.43	-3.69
Macon, GA	Ozone	Maintenance	100	-	-11.21	-22.41	-49.87
Macon, GA	PM _{2.5}	Nonattainment	100	-	-11.12	-22.23	-49.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.08	-0.17	-0.39
Madison, WI	SO _x	Maintenance	100	-	-3.95	-8.01	-19.59
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.23	-0.47	-1.09
Manchester, NH	CO	Maintenance	100	-	-0.25	-0.55	-1.98
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.74	-1.53	-4.32
Marion County, IN	SO _x	Maintenance	100	-	-9.63	-19.34	-44.41
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.13	-2.32	-6.12
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-12.57	-25.19	-56.92
Mason County, MI	Ozone	Maintenance	100	-	-0.79	-1.58	-3.64
Medford, OR	CO	Maintenance	100	-	-0.54	-1.13	-3.21
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.29	-2.69	-7.65
Memphis, TN-AR	Ozone	Maintenance	100	-	-29.24	-58.75	-135.41
Memphis, TN	CO	Maintenance	100	-	-19.10	-38.55	-91.59
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.58	-1.17	-2.79

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.13	-0.26	-0.62
Milwaukee, WI	SO _x	Maintenance	100	-	-8.68	-17.59	-42.92
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-25.44	-51.70	-128.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-95.50	-191.66	-437.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-70.58	-142.07	-331.53
Missoula, MT	CO	Maintenance	100	-	-5.60	-11.17	-24.41
Missoula, MT	PM ₁₀	Moderate	100	-	-5.43	-10.82	-23.65
Modesto, CA	CO	Maintenance	100	-	-5.74	-11.60	-27.91
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.78	-3.60	-8.75
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.07	-0.16
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.06	-0.13	-0.31
Morristown, NJ	CO	Maintenance	100	-	-0.27	-0.55	-1.51
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.25	-2.50	-5.63
Muncie, IN	Ozone	Maintenance	100	-	-8.97	-17.90	-39.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.16	-0.32	-0.73
Muscatine County, IA	SO _x	Maintenance	100	-	-0.63	-1.26	-2.84
Muskegon, MI	Ozone	Maintenance	100	-	-4.71	-9.45	-21.47
Nashua, NH	CO	Maintenance	100	-	-0.20	-0.44	-1.58
Nashville, TN	Ozone	Former Subpart 1	50	-	-26.75	-54.22	-132.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.59	-3.25	-8.39
New Haven County, CT	PM ₁₀	Maintenance	100	-	-4.60	-9.23	-21.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-24.66	-49.52	-113.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.35	-0.70	-1.55
New York County, NY	PM ₁₀	Moderate	100	-	-47.06	-93.83	-204.45
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-198.74	-400.02	-932.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-292.24	-590.35	-1,410.91
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-285.15	-576.17	-1,379.43
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.71	-1.43	-3.47

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-40.58	-81.67	-190.16
Ogden, UT	CO	Maintenance	100	-	-0.73	-1.49	-3.90
Ogden, UT	PM ₁₀	Moderate	100	-	-0.73	-1.49	-3.90
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.18
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.55	-1.11	-2.59
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.75	-3.55	-8.67
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.07	-0.15	-0.36
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-5.93	-11.88	-26.79
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-6.30	-12.61	-28.36
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.38	-0.77	-1.85
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Peoria, IL	SO _x	Maintenance	100	-	-0.86	-1.77	-4.81
Perth Amboy, NJ	CO	Maintenance	100	-	-1.90	-3.83	-8.97
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-5.33	-10.85	-27.14
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-132.67	-266.54	-613.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-155.91	-314.05	-736.15
Phoenix, AZ	CO	Maintenance	100	-	-32.28	-67.16	-191.96
Phoenix, AZ	PM ₁₀	Serious	70	-	-33.58	-69.83	-199.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-33.69	-70.08	-199.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.76	-1.52	-3.35
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.23
Pittsburgh, PA	CO	Maintenance	100	-	-0.61	-1.22	-2.85
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-48.56	-97.79	-228.95
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-41.06	-82.78	-195.19
Polk County, TN	SO _x	Maintenance	100	-	-1.04	-2.08	-4.65
Polson, MT	PM ₁₀	Moderate	100	-	-0.06	-0.12	-0.29
Portland, ME	Ozone	Maintenance	100	-	-9.93	-20.09	-48.59

Appendix B

Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-16.44	-33.42	-83.19
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-2.19	-4.37	-9.77
Poughkeepsie, NY	Ozone	Moderate	50	-	-14.08	-28.86	-75.63
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.37	-0.75	-1.68
Providence (entire State), RI	Ozone	Moderate	50	-	-22.55	-45.44	-106.95
Provo, UT	CO	Maintenance	100	-	-2.43	-4.93	-12.19
Raleigh-Durham, NC	CO	Maintenance	100	-	-11.64	-23.96	-64.57
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-18.02	-36.94	-97.13
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.06	-0.13	-0.29
Reading, PA	Ozone	Maintenance	100	-	-5.82	-11.78	-28.53
Reading, PA	PM _{2.5}	Nonattainment	100	-	-5.82	-11.78	-28.53
Reno, NV	CO	Maintenance	100	-	-3.91	-7.93	-19.42
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.07	-0.16
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-19.05	-38.64	-94.96
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.80	-1.62	-3.96
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.33	-5.05	-17.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	-9.09	-18.23	-41.52
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-2.11	-4.24	-9.87
Rochester, NY	Ozone	Former Subpart 1	50	-	-18.56	-37.74	-94.22
Rocky Mount, NC	Ozone	Maintenance	100	-	-5.03	-10.11	-23.46
Rome, GA	PM _{2.5}	Nonattainment	100	-	-5.50	-11.00	-24.67
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.11
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.11	-0.21	-0.48
Sacramento County, CA	PM ₁₀	Moderate	100	-	-12.55	-25.90	-70.69
Sacramento Metro, CA	Ozone	Severe	25	-	-30.57	-62.47	-160.93
Sacramento, CA	CO	Maintenance	100	-	-14.00	-28.89	-78.85
Salem, OR	CO	Maintenance	100	-	-1.57	-3.21	-8.19
Salt Lake City, UT	CO	Maintenance	100	-	-3.39	-6.88	-16.86

Appendix B

Table B.1-150							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-11.38	-23.28	-60.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	-10.06	-20.65	-54.66
San Antonio, TX	Ozone	Former Subpart 1	50	-	-74.10	-148.48	-335.34
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.04	-6.31	-17.90
San Diego, CA	CO	Maintenance	100	-	-26.08	-54.49	-159.19
San Diego, CA	Ozone	Former Subpart 1	50	-	-26.13	-54.58	-159.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-133.03	-268.50	-638.06
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-138.02	-278.97	-669.20
San Joaquin Valley, CA	Ozone	Extreme	10	-	-77.28	-156.50	-380.41
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-77.76	-157.48	-382.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-77.28	-156.50	-380.41
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.35	-0.72	-1.89
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.05	-0.10	-0.22
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-13.51	-27.29	-65.03
Seattle-Tacoma, WA	CO	Maintenance	100	-	-61.21	-123.57	-294.07
Sheboygan, WI	Ozone	Moderate	50	-	-2.04	-4.14	-10.04
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.75	-3.49	-7.65
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.12	-0.25	-0.71
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-9.52	-19.21	-45.58
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.97	-4.03	-10.39
Spokane County, WA	PM ₁₀	Maintenance	100	-	-7.99	-16.08	-37.30
Spokane, WA	CO	Maintenance	100	-	-7.91	-15.91	-36.92
Springfield (western MA), MA	Ozone	Moderate	50	-	-7.45	-15.37	-42.00
Springfield, MA	CO	Maintenance	100	-	-1.36	-2.80	-7.46
St. Louis, MO	CO	Maintenance	100	-	-45.57	-91.17	-203.56
St. Louis, MO-IL	Ozone	Moderate	50	-	-114.73	-229.93	-520.12
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-114.52	-229.50	-518.99

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Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.05	-2.19	-6.44
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.50	-1.01	-2.34
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-3.23	-6.44	-14.15
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-8.20	-16.35	-35.80
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-8.20	-16.35	-35.80
Stockton, CA	CO	Maintenance	100	-	-6.63	-13.48	-33.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-17.64	-35.38	-80.64
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.10
Terre Haute, IN	Ozone	Maintenance	100	-	-7.37	-14.74	-32.74
Tioga County, PA	Ozone	Maintenance	100	-	-0.67	-1.36	-3.49
Toledo, OH	Ozone	Maintenance	100	-	-21.97	-44.02	-99.40
Toms River, NJ	CO	Maintenance	100	-	-0.72	-1.50	-4.23
Tooele County, UT	SO _x	Nonattainment	100	-	-3.83	-7.68	-17.40
Trenton, NJ	CO	Maintenance	100	-	-0.86	-1.77	-4.68
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.05	-0.13
Tucson, AZ	CO	Maintenance	100	-	-16.31	-33.06	-80.69
Utah County, UT	PM ₁₀	Moderate	100	-	-7.22	-14.67	-36.26
Vancouver, WA	CO	Maintenance	100	-	-4.10	-8.34	-20.98
Ventura County, CA	Ozone	Serious	50	-	-6.34	-13.13	-36.69
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.72	-1.44	-3.13
Vigo County, IN	SO _x	Maintenance	100	-	-7.37	-14.74	-32.74
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.46	-0.95	-2.61
Warren County, NJ	SO _x	Maintenance	100	-	-0.31	-0.64	-1.73
Warren County, PA	SO _x	Nonattainment	100	-	-0.22	-0.45	-1.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-8.79	-17.61	-39.69
Washington, DC-MD-VA	CO	Maintenance	100	-	-11.69	-24.23	-67.83

Appendix B

Table B.1-150
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-47.04	-96.94	-262.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-43.99	-90.81	-248.23
Washoe County, NV	PM ₁₀	Serious	70	-	-3.91	-7.93	-19.42
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.26	-0.52	-1.15
Wayne County, IN	SO _x	Maintenance	100	-	-3.20	-6.40	-14.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.36	-12.69	-27.77
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.54	-1.09	-2.41
Weirton, WV	SO _x	Maintenance	100	-	-0.72	-1.44	-3.19
Wheeling, WV-OH	Ozone	Maintenance	100	-	-7.97	-15.94	-35.48
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-7.97	-15.94	-35.48
Winston-Salem, NC	CO	Maintenance	100	-	-7.87	-15.91	-38.12
Worcester, MA	CO	Maintenance	100	-	-1.44	-3.00	-8.66
Yakima County, WA	PM ₁₀	Maintenance	100	-	-3.48	-6.98	-15.82
Yakima, WA	CO	Maintenance	100	-	-1.43	-2.87	-6.51
York, PA	Ozone	Maintenance	100	-	-8.32	-16.82	-40.43
York, PA	PM _{2.5}	Nonattainment	100	-	-5.41	-10.97	-26.93
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-10.77	-21.81	-53.06
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.81	-7.69	-18.29

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.14	-0.38	-1.11
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.09	-0.28	-1.22
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.09	-0.29	-1.27
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-34.69	-103.51	-417.60
Albuquerque, NM	CO	Maintenance	100	-	-13.82	-41.89	-178.27
Allegan County, MI	Ozone	Former Subpart 1	50	-	-6.13	-17.62	-61.96
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-9.77	-31.30	-155.64
Altoona, PA	Ozone	Maintenance	100	-	-5.75	-16.07	-49.73
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.40	-2.93	-35.67
Anchorage, AK	CO	Maintenance	100	-	-9.60	-26.75	-82.00
Anthony, NM	PM ₁₀	Moderate	100	-	-0.47	-1.31	-4.01
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.10	-0.91
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.45	-1.27	-3.91
Atlanta, GA	Ozone	Moderate	50	-	-163.83	-497.65	-2,129.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-164.04	-498.25	-2,131.21
Atlantic City, NJ	CO	Maintenance	100	-	-0.48	-1.74	-11.03
Bakersfield, CA	CO	Maintenance	100	-	-19.90	-56.90	-195.54
Baltimore, MD	CO	Maintenance	100	-	-0.49	-1.39	-4.52
Baltimore, MD	Ozone	Moderate	50	-	-32.59	-114.51	-699.63
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-32.59	-114.51	-699.62
Baton Rouge, LA	Ozone	Moderate	50	-	-96.27	-260.89	-689.92
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-162.91	-433.79	-1,030.79
Benton County, TN	SO _x	Maintenance	100	-	-0.18	-0.47	-1.22
Benton Harbor, MI	Ozone	Maintenance	100	-	-12.48	-34.48	-101.11
Benzie County, MI	Ozone	Maintenance	100	-	-1.19	-3.37	-11.28
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-8.13	-22.88	-73.27
Billings, MT	CO	Maintenance	100	-	-44.22	-117.47	-274.73
Birmingham, AL	Ozone	Maintenance	100	-	-25.19	-75.57	-310.57

Appendix B

Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-25.37	-76.07	-312.17
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-23.42	-64.99	-195.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-23.42	-64.99	-195.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.06	-2.98	-9.37
Boston, MA	CO	Maintenance	100	-	-10.79	-36.25	-201.91
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-44.25	-164.20	-1,105.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.62	-15.74	-131.65
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.73	-7.30	-17.72
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-23.10	-71.37	-321.76
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.26	-1.56
Butte, MT	PM ₁₀	Moderate	100	-	-3.65	-9.81	-24.73
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.66	-4.58	-13.38
Canton-Massillon, OH	Ozone	Maintenance	100	-	-18.59	-51.67	-156.38
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-18.59	-51.67	-156.38
Case County, MI	Ozone	Maintenance	100	-	-2.36	-6.62	-20.96
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.19	-0.54
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.82	-2.21	-5.76
Charleston, WV	Ozone	Maintenance	100	-	-5.50	-16.87	-74.43
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-5.50	-16.87	-74.43
Charlotte, NC	CO	Maintenance	100	-	-11.03	-36.34	-193.60
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-44.66	-133.85	-548.11
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-44.05	-121.25	-349.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-40.30	-110.95	-319.78
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-132.76	-417.35	-1,976.11
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-140.86	-441.00	-2,064.48
Chico, CA	CO	Maintenance	100	-	-2.85	-8.73	-38.32
Chico, CA	Ozone	Former Subpart 1	50	-	-6.26	-19.18	-84.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-42.44	-130.33	-576.89

Appendix B

Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-39.28	-121.43	-548.11
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.52	-1.48	-5.07
Clark County, NV	PM ₁₀	Serious	70	-	-22.03	-73.59	-405.05
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-24.33	-66.75	-189.06
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-13.65	-37.68	-109.93
Cleveland, OH	CO	Maintenance	100	-	-23.79	-70.64	-280.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-45.01	-141.86	-676.60
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-41.37	-130.36	-621.46
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.84	-9.07	-126.81
Colbert County, AL	SO _x	Maintenance	100	-	-4.16	-11.49	-33.57
Colorado Springs, CO	CO	Maintenance	100	-	-28.97	-82.40	-276.63
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.45	-1.24	-3.65
Columbia, SC	Ozone	Former Subpart 1	50	-	-48.26	-133.48	-393.91
Columbus, OH	Ozone	Maintenance	100	-	-48.68	-144.98	-581.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-41.27	-124.26	-516.81
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.07	-0.21	-0.88
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.11
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-23.79	-70.64	-280.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	-19.78	-58.74	-233.25
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-152.07	-471.03	-2,138.45
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-21.82	-64.96	-260.03
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-18.88	-56.32	-227.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-36.71	-126.27	-739.75
Denver-Boulder, CO	CO	Maintenance	100	-	-36.16	-123.53	-713.61
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-71.41	-223.99	-1,053.72
Detroit, MI	CO	Maintenance	100	-	-47.81	-139.57	-520.59
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-119.83	-358.96	-1,467.70
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-114.38	-343.78	-1,421.19

Appendix B

Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.22	-0.93	-7.60
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.80	-2.42	-10.36
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.64	-1.95	-8.36
Duluth, MN	CO	Maintenance	100	-	-5.52	-15.28	-45.31
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.60	-1.66	-5.09
East Chicago, IN	CO	Maintenance	100	-	-0.05	-0.15	-0.47
East Chicago, IN	PM ₁₀	Maintenance	100	-	-32.36	-87.26	-224.43
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.07	-0.20	-0.58
El Paso County, TX	PM ₁₀	Moderate	100	-	-18.39	-53.18	-191.32
El Paso, TX	CO	Maintenance	100	-	-0.91	-2.69	-10.50
Erie, PA	Ozone	Maintenance	100	-	-5.51	-16.57	-68.47
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.06	-0.37
Eugene-Springfield, OR	CO	Maintenance	100	-	-15.27	-42.51	-129.56
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-14.63	-40.74	-124.15
Evansville, IN	Ozone	Maintenance	100	-	-9.52	-27.44	-97.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-15.93	-45.01	-146.82
Fairbanks, AK	CO	Maintenance	100	-	-1.99	-5.43	-14.91
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-4.54	-14.70	-75.27
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.58	-1.61	-4.75
Flint, MI	Ozone	Maintenance	100	-	-11.34	-34.58	-149.93
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.08	-0.22	-0.63
Fort Collins, CO	CO	Maintenance	100	-	-6.53	-19.03	-70.42
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.05	-0.15	-0.42
Fort Wayne, IN	Ozone	Maintenance	100	-	-27.88	-77.00	-225.57
Franklin County, PA	Ozone	Maintenance	100	-	-9.76	-27.20	-83.51
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.15	-0.45
Frederick County, VA	Ozone	Former Subpart 1	50	-	-15.86	-43.09	-115.76
Fredericksburg, VA	Ozone	Maintenance	100	-	-14.96	-43.72	-163.94

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.17	-0.63	-4.25
Fresno, CA	CO	Maintenance	100	-	-6.78	-23.73	-143.80
Grand Rapids, MI	Ozone	Maintenance	100	-	-25.61	-75.44	-290.86
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.10	-5.88	-18.58
Grant County, NM	SO _x	Maintenance	100	-	-0.27	-0.73	-1.98
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.08	-0.26
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.20	-6.15	-18.98
Great Falls, MT	CO	Maintenance	100	-	-2.06	-5.61	-15.09
Greater Connecticut, CT	Ozone	Moderate	50	-	-28.83	-90.85	-433.05
Greeley, CO	CO	Maintenance	100	-	-10.14	-27.97	-81.48
Green Bay, WI	SO _x	Maintenance	100	-	-3.27	-9.78	-39.89
Greene County, IN	Ozone	Maintenance	100	-	-6.31	-17.11	-45.43
Greene County, PA	Ozone	Maintenance	100	-	-4.33	-11.85	-32.90
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-41.90	-125.40	-511.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-18.79	-56.83	-239.99
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-80.18	-219.74	-618.14
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.46	-1.43	-6.39
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-3.89	-11.35	-42.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-14.71	-47.01	-232.61
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-14.63	-46.17	-220.84
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-15.45	-50.19	-259.00
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.17	-0.56	-2.83
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.97	-2.97	-12.86
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.06	-0.21	-1.19
Hazelwood, PA	SO _x	Maintenance	100	-	-1.67	-4.77	-16.37
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-4.16	-12.53	-52.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-7.44	-22.26	-90.58
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.09	-0.52

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-604.31	-1,649.75	-4,546.14
Humphreys County, TN	SO _x	Maintenance	100	-	-0.27	-0.75	-2.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-67.57	-181.09	-448.42
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-55.71	-148.53	-355.60
Huron County, MI	Ozone	Maintenance	100	-	-1.60	-4.48	-13.95
Imperial County, CA	Ozone	Moderate	50	-	-4.07	-12.97	-63.87
Imperial Valley, CA	PM ₁₀	Serious	70	-	-3.98	-12.69	-62.51
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.08	-3.14	-11.67
Indianapolis, IN	CO	Maintenance	100	-	-0.04	-0.12	-0.39
Indianapolis, IN	Ozone	Maintenance	100	-	-61.24	-180.78	-702.74
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-46.61	-138.23	-546.16
Jackson County, IN	Ozone	Maintenance	100	-	-9.90	-26.86	-71.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	-5.16	-15.02	-55.43
Jefferson County, NY	Ozone	Moderate	50	-	-1.89	-6.12	-31.19
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.89	-2.41	-6.39
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-23.06	-62.82	-171.15
Johnstown, PA	Ozone	Maintenance	100	-	-4.79	-13.44	-42.57
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-6.24	-17.36	-52.64
Juneau, AK	PM ₁₀	Moderate	100	-	-1.66	-4.49	-11.87
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-21.57	-61.49	-208.84
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.37	-6.56	-19.32
Kansas City, MO-KS	Ozone	Maintenance	100	-	-92.75	-260.86	-833.93
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	-1.31	-24.32
Kent, WA	PM ₁₀	Maintenance	100	-	-0.87	-2.54	-9.63
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.74	-7.99	-29.66
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.59	-1.76	-7.37
King County, WA	PM ₁₀	Maintenance	100	-	-0.34	-1.00	-3.81
Klamath Falls, OR	CO	Maintenance	100	-	-3.95	-10.86	-31.25

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-3.95	-10.86	-31.25
Knoxville, TN	Ozone	Former Subpart 1	50	-	-85.89	-238.54	-718.50
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-71.16	-196.86	-581.57
La Porte County, IN	SO _x	Maintenance	100	-	-2.83	-7.77	-22.10
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.56	-4.26	-11.70
Lake County, IN	SO _x	Maintenance	100	-	-15.30	-43.05	-137.88
Lake County, OH	SO _x	Maintenance	100	-	-0.36	-1.28	-7.83
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.54	-1.47	-4.14
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.47	-6.26
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.18	-1.21	-14.11
Lake Tahoe, NV	CO	Maintenance	100	-	-0.34	-1.08	-5.29
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.78	-4.77	-11.94
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.03	-0.10	-0.40
Lancaster, PA	Ozone	Maintenance	100	-	-4.15	-15.16	-99.52
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-4.15	-15.16	-99.52
Lane County, OR	PM ₁₀	Moderate	100	-	-0.08	-0.23	-0.69
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-6.09	-20.45	-113.90
LaPorte, IN	Ozone	Maintenance	100	-	-7.88	-21.65	-61.58
Las Vegas, NV	CO	Serious	100	-	-22.03	-73.59	-405.05
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-22.30	-74.50	-410.05
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.05	-3.53	-19.82
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.13	-0.36	-1.04
Libby, MT	PM ₁₀	Moderate	100	-	-0.21	-0.59	-1.89
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.28	-0.78	-2.52
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.52	-1.48	-5.07
Lima, OH	Ozone	Maintenance	100	-	-18.19	-48.99	-125.18
Longmont, CO	CO	Maintenance	100	-	-0.41	-2.00	-18.89
Lorain County, OH	SO _x	Maintenance	100	-	-0.69	-2.25	-11.60

Appendix B

**Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-241.66	-786.21	-4,068.57
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-241.66	-786.21	-4,068.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-241.66	-786.21	-4,068.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-241.66	-786.22	-4,068.61
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-241.65	-786.17	-4,068.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-7.73	-27.17	-166.31
Louisville, KY-IN	Ozone	Maintenance	100	-	-27.11	-81.71	-341.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-27.50	-82.33	-336.01
Lowell, MA	CO	Maintenance	100	-	-1.21	-4.29	-26.53
Lucas County, OH	SO _x	Maintenance	100	-	-7.08	-21.28	-87.80
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.93	-2.99	-15.08
Macon, GA	Ozone	Maintenance	100	-	-17.64	-48.37	-136.51
Macon, GA	PM _{2.5}	Nonattainment	100	-	-17.50	-47.99	-135.33
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.13	-0.36	-1.19
Madison, WI	SO _x	Maintenance	100	-	-5.54	-17.08	-76.73
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.35	-1.03	-4.06
Manchester, NH	CO	Maintenance	100	-	-0.12	-0.99	-12.43
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.87	-3.19	-21.07
Marion County, IN	SO _x	Maintenance	100	-	-14.63	-41.35	-135.32
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.32	-4.70	-29.29
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-19.36	-54.07	-167.30
Mason County, MI	Ozone	Maintenance	100	-	-1.19	-3.39	-11.44
Medford, OR	CO	Maintenance	100	-	-0.56	-2.28	-17.52
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.34	-5.46	-42.02
Memphis, TN-AR	Ozone	Maintenance	100	-	-44.48	-126.16	-418.92
Memphis, TN	CO	Maintenance	100	-	-28.17	-82.43	-310.23
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.83	-2.48	-10.19

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.18	-0.52	-1.85
Milwaukee, WI	SO _x	Maintenance	100	-	-12.94	-38.80	-159.24
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-35.01	-109.00	-502.13
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-144.95	-410.18	-1,347.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-104.54	-302.66	-1,093.80
Missoula, MT	CO	Maintenance	100	-	-8.82	-23.89	-62.77
Missoula, MT	PM ₁₀	Moderate	100	-	-8.54	-23.13	-60.76
Modesto, CA	CO	Maintenance	100	-	-7.84	-23.93	-104.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-2.49	-7.66	-34.25
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.05	-0.14	-0.57
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.09	-0.28	-1.08
Morristown, NJ	CO	Maintenance	100	-	-0.35	-1.26	-8.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.95	-5.40	-16.03
Muncie, IN	Ozone	Maintenance	100	-	-14.30	-38.72	-101.96
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.27	-0.75	-2.38
Muscatine County, IA	SO _x	Maintenance	100	-	-1.01	-2.81	-8.51
Muskegon, MI	Ozone	Maintenance	100	-	-7.22	-20.27	-64.23
Nashua, NH	CO	Maintenance	100	-	-0.10	-0.79	-10.01
Nashville, TN	Ozone	Former Subpart 1	50	-	-37.30	-114.23	-501.32
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.87	-6.54	-39.54
New Haven County, CT	PM ₁₀	Maintenance	100	-	-7.87	-22.18	-71.38
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-37.54	-106.12	-347.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.58	-1.58	-4.35
New York County, NY	PM ₁₀	Moderate	100	-	-75.34	-202.88	-517.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-297.58	-856.39	-3,021.77
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-423.99	-1,255.82	-4,939.49
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-412.91	-1,225.34	-4,852.14
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.99	-2.99	-12.77

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Table B.1-151
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Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-60.73	-174.69	-615.17
Ogden, UT	CO	Maintenance	100	-	-0.95	-3.13	-16.77
Ogden, UT	PM ₁₀	Moderate	100	-	-0.95	-3.13	-16.77
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.13	-0.60
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.71	-2.06	-7.41
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.38	-7.36	-33.18
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.11	-0.34	-1.41
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-9.20	-25.57	-77.37
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-9.82	-27.22	-81.23
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.53	-1.60	-6.55
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.03	-0.13
Peoria, IL	SO _x	Maintenance	100	-	-1.10	-3.76	-21.98
Perth Amboy, NJ	CO	Maintenance	100	-	-3.11	-9.04	-32.99
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-7.51	-23.11	-103.08
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-201.12	-571.20	-1,907.11
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-231.58	-670.78	-2,428.48
Phoenix, AZ	CO	Maintenance	100	-	-29.46	-129.97	-1,103.36
Phoenix, AZ	PM ₁₀	Serious	70	-	-30.93	-135.30	-1,137.60
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-31.02	-135.70	-1,140.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.17	-3.18	-8.58
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.08	-0.22	-0.65
Pittsburgh, PA	CO	Maintenance	100	-	-1.11	-3.17	-10.90
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-72.56	-209.35	-746.12
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-60.95	-177.14	-649.76
Polk County, TN	SO _x	Maintenance	100	-	-1.63	-4.49	-13.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.10	-0.29	-1.11
Portland, ME	Ozone	Maintenance	100	-	-14.12	-42.47	-175.86

Appendix B

Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-22.76	-70.65	-322.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.37	-9.30	-26.98
Poughkeepsie, NY	Ozone	Moderate	50	-	-17.27	-59.28	-346.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.61	-1.68	-4.99
Providence (entire State), RI	Ozone	Moderate	50	-	-33.12	-96.71	-361.31
Provo, UT	CO	Maintenance	100	-	-3.39	-10.59	-49.25
Raleigh-Durham, NC	CO	Maintenance	100	-	-13.70	-49.02	-309.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-22.22	-76.12	-442.50
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.09	-0.26	-0.85
Reading, PA	Ozone	Maintenance	100	-	-8.33	-25.01	-103.23
Reading, PA	PM _{2.5}	Nonattainment	100	-	-8.33	-25.01	-103.23
Reno, NV	CO	Maintenance	100	-	-5.43	-16.59	-72.31
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.16	-0.53
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-26.74	-81.81	-358.03
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.18	-3.62	-16.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.84	-9.07	-126.81
Roanoke, VA	Ozone	Former Subpart 1	50	-	-13.95	-39.17	-124.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.05	-8.81	-31.64
Rochester, NY	Ozone	Former Subpart 1	50	-	-25.58	-79.71	-368.37
Rocky Mount, NC	Ozone	Maintenance	100	-	-7.59	-21.68	-74.24
Rome, GA	PM _{2.5}	Nonattainment	100	-	-8.56	-23.68	-70.08
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.11	-0.42
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.16	-0.43	-1.32
Sacramento County, CA	PM ₁₀	Moderate	100	-	-13.76	-51.97	-359.99
Sacramento Metro, CA	Ozone	Severe	25	-	-37.26	-127.08	-731.81
Sacramento, CA	CO	Maintenance	100	-	-15.01	-57.21	-401.95
Salem, OR	CO	Maintenance	100	-	-2.06	-6.62	-33.16
Salt Lake City, UT	CO	Maintenance	100	-	-4.76	-14.59	-64.18

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-14.70	-48.53	-260.16
Salt Lake County, UT	SO _x	Nonattainment	100	-	-12.54	-42.84	-247.37
San Antonio, TX	Ozone	Former Subpart 1	50	-	-113.74	-318.20	-992.44
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.88	-11.80	-91.84
San Diego, CA	CO	Maintenance	100	-	-24.53	-107.30	-902.12
San Diego, CA	Ozone	Former Subpart 1	50	-	-24.58	-107.50	-903.83
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-191.26	-568.05	-2,255.93
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-196.12	-588.89	-2,427.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	-106.60	-328.67	-1,471.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-107.13	-330.20	-1,477.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-106.60	-328.67	-1,471.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.45	-1.54	-8.73
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.08	-0.22	-0.58
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-19.70	-58.12	-225.28
Seattle-Tacoma, WA	CO	Maintenance	100	-	-87.77	-260.61	-1,033.81
Sheboygan, WI	Ozone	Moderate	50	-	-2.89	-8.75	-37.07
Sheridan, WY	PM ₁₀	Moderate	100	-	-2.67	-7.24	-19.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.13	-0.51	-3.70
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-13.94	-40.94	-155.99
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.36	-7.60	-38.22
Spokane County, WA	PM ₁₀	Maintenance	100	-	-11.74	-33.86	-120.44
Spokane, WA	CO	Maintenance	100	-	-11.61	-33.48	-119.11
Springfield (western MA), MA	Ozone	Moderate	50	-	-9.02	-31.93	-197.93
Springfield, MA	CO	Maintenance	100	-	-1.87	-6.29	-35.17
St. Louis, MO	CO	Maintenance	100	-	-72.10	-197.89	-561.39
St. Louis, MO-IL	Ozone	Moderate	50	-	-177.43	-494.66	-1,517.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-177.15	-493.75	-1,513.03

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.04	-4.40	-35.52
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.76	-2.22	-8.08
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.12	-13.89	-36.81
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-13.09	-35.37	-92.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-13.09	-35.37	-92.07
Stockton, CA	CO	Maintenance	100	-	-9.03	-28.73	-140.43
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-27.07	-76.03	-241.46
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.09	-0.47
Terre Haute, IN	Ozone	Maintenance	100	-	-11.64	-31.85	-88.68
Tioga County, PA	Ozone	Maintenance	100	-	-0.91	-2.90	-14.03
Toledo, OH	Ozone	Maintenance	100	-	-34.05	-94.74	-288.10
Toms River, NJ	CO	Maintenance	100	-	-0.84	-3.22	-22.81
Tooele County, UT	SO _x	Nonattainment	100	-	-5.87	-16.46	-51.86
Trenton, NJ	CO	Maintenance	100	-	-1.15	-3.85	-21.40
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.09	-0.72
Tucson, AZ	CO	Maintenance	100	-	-22.64	-69.53	-307.62
Utah County, UT	PM ₁₀	Moderate	100	-	-9.84	-30.73	-142.94
Vancouver, WA	CO	Maintenance	100	-	-5.23	-16.97	-87.30
Ventura County, CA	Ozone	Serious	50	-	-6.65	-26.22	-193.61
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.14	-3.07	-7.86
Vigo County, IN	SO _x	Maintenance	100	-	-11.64	-31.85	-88.68
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.57	-2.01	-12.45
Warren County, NJ	SO _x	Maintenance	100	-	-0.37	-1.31	-8.15
Warren County, PA	SO _x	Nonattainment	100	-	-0.31	-0.94	-3.98
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-13.61	-37.87	-114.99
Washington, DC-MD-VA	CO	Maintenance	100	-	-13.94	-51.44	-342.99

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Table B.1-151
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-55.49	-198.88	-1,260.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-51.00	-185.87	-1,213.54
Washoe County, NV	PM ₁₀	Serious	70	-	-5.43	-16.59	-72.31
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.41	-1.11	-3.06
Wayne County, IN	SO _x	Maintenance	100	-	-5.06	-13.95	-40.56
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.76	-29.20	-77.68
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.81	-2.21	-6.13
Weirton, WV	SO _x	Maintenance	100	-	-1.09	-2.98	-8.25
Wheeling, WV-OH	Ozone	Maintenance	100	-	-12.57	-34.44	-96.68
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-12.57	-34.44	-96.68
Winston-Salem, NC	CO	Maintenance	100	-	-11.35	-33.78	-135.16
Worcester, MA	CO	Maintenance	100	-	-1.55	-6.23	-47.18
Yakima County, WA	PM ₁₀	Maintenance	100	-	-5.19	-14.59	-46.37
Yakima, WA	CO	Maintenance	100	-	-2.34	-6.57	-20.89
York, PA	Ozone	Maintenance	100	-	-11.89	-35.61	-145.73
York, PA	PM _{2.5}	Nonattainment	100	-	-7.51	-23.12	-102.88
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-15.62	-46.66	-188.93
Yuma, AZ	PM ₁₀	Moderate	100	-	-5.42	-16.19	-65.32

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.24	-1.13
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.17	-1.42
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.17	-1.47
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.45	-70.26	-498.79
Albuquerque, NM	CO	Maintenance	100	-	-1.67	-26.88	-208.88
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.76	-11.71	-72.36
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.23	-20.60	-190.96
Altoona, PA	Ozone	Maintenance	100	-	-0.73	-10.93	-54.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.07	-2.19	-55.89
Anchorage, AK	CO	Maintenance	100	-	-1.16	-17.31	-89.33
Anthony, NM	PM ₁₀	Moderate	100	-	-0.05	-0.77	-4.01
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.00	-0.09	-1.31
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.05	-0.78	-4.16
Atlanta, GA	Ozone	Moderate	50	-	-19.24	-312.49	-2,545.09
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-19.26	-312.78	-2,546.53
Atlantic City, NJ	CO	Maintenance	100	-	-0.07	-1.20	-13.87
Bakersfield, CA	CO	Maintenance	100	-	-2.21	-34.14	-214.20
Baltimore, MD	CO	Maintenance	100	-	-0.07	-1.02	-5.28
Baltimore, MD	Ozone	Moderate	50	-	-4.46	-80.02	-918.38
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-4.46	-80.02	-918.37
Baton Rouge, LA	Ozone	Moderate	50	-	-11.54	-168.34	-699.27
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.17	-289.68	-1,022.09
Benton County, TN	SO _x	Maintenance	100	-	-0.02	-0.31	-1.23
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.54	-22.71	-105.32
Benzie County, MI	Ozone	Maintenance	100	-	-0.15	-2.29	-13.37
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.93	-14.10	-78.54
Billings, MT	CO	Maintenance	100	-	-5.43	-77.85	-269.22
Birmingham, AL	Ozone	Maintenance	100	-	-3.31	-52.19	-367.93

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Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.34	-52.56	-369.88
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-2.64	-39.56	-202.59
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-2.64	-39.56	-202.59
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.14	-2.04	-10.94
Boston, MA	CO	Maintenance	100	-	-1.49	-25.60	-256.25
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-6.41	-118.12	-1,456.72
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.55	-11.41	-180.26
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.38	-5.49	-19.73
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-3.11	-50.04	-391.71
Burlington, NJ	CO	Maintenance	100	-	-0.01	-0.13	-1.38
Butte, MT	PM ₁₀	Moderate	100	-	-0.44	-6.37	-24.23
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.23	-3.40	-16.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.34	-34.82	-169.20
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.34	-34.82	-169.20
Case County, MI	Ozone	Maintenance	100	-	-0.30	-4.51	-23.25
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.15	-0.66
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.09	-1.33	-5.34
Charleston, WV	Ozone	Maintenance	100	-	-0.74	-11.72	-87.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.74	-11.72	-87.11
Charlotte, NC	CO	Maintenance	100	-	-1.30	-22.77	-244.24
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-5.13	-82.44	-640.48
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-5.26	-77.68	-361.74
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-4.81	-71.17	-332.53
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-17.50	-287.90	-2,473.46
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-18.50	-303.39	-2,575.77
Chico, CA	CO	Maintenance	100	-	-0.36	-5.96	-50.92
Chico, CA	Ozone	Former Subpart 1	50	-	-0.76	-12.48	-106.68
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-5.34	-86.52	-694.80

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Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-4.97	-80.81	-662.83
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.07	-0.98	-5.31
Clark County, NV	PM ₁₀	Serious	70	-	-2.61	-46.57	-529.35
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.91	-42.97	-198.64
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.72	-25.49	-118.78
Cleveland, OH	CO	Maintenance	100	-	-3.17	-49.16	-320.96
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-6.07	-99.15	-827.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-5.59	-91.16	-758.09
Coachella Valley, CA	PM ₁₀	Serious	70	-	-0.14	-6.31	-193.25
Colbert County, AL	SO _x	Maintenance	100	-	-0.53	-7.79	-35.54
Colorado Springs, CO	CO	Maintenance	100	-	-3.47	-53.01	-313.48
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.05	-0.77	-3.86
Columbia, SC	Ozone	Former Subpart 1	50	-	-5.83	-86.64	-419.60
Columbus, OH	Ozone	Maintenance	100	-	-5.95	-94.48	-695.93
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-5.06	-81.20	-625.96
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.14	-0.93
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.11
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.17	-49.16	-320.96
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.23	-49.51	-300.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-18.05	-298.89	-2,637.39
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-2.84	-44.49	-302.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.47	-38.70	-264.78
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.61	-83.08	-966.18
Denver-Boulder, CO	CO	Maintenance	100	-	-4.52	-81.05	-928.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-8.60	-143.59	-1,307.71
Detroit, MI	CO	Maintenance	100	-	-7.45	-112.48	-617.48
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-15.73	-248.20	-1,762.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-15.04	-237.90	-1,711.26

Appendix B

Table B.1-152							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.03	-0.70	-10.55
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.09	-1.43	-11.52
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.07	-1.18	-9.49
Duluth, MN	CO	Maintenance	100	-	-0.71	-10.44	-49.04
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.07	-1.11	-5.75
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.09	-0.48
East Chicago, IN	PM ₁₀	Maintenance	100	-	-3.98	-57.72	-227.50
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.12	-0.61
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.16	-33.46	-215.16
El Paso, TX	CO	Maintenance	100	-	-0.10	-1.60	-11.53
Erie, PA	Ozone	Maintenance	100	-	-0.73	-11.55	-81.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.05	-0.54
Eugene-Springfield, OR	CO	Maintenance	100	-	-1.86	-27.77	-141.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-1.79	-26.69	-135.58
Evansville, IN	Ozone	Maintenance	100	-	-1.17	-18.01	-109.76
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.93	-29.10	-159.32
Fairbanks, AK	CO	Maintenance	100	-	-0.23	-3.35	-15.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.62	-10.44	-95.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.07	-1.00	-5.01
Flint, MI	Ozone	Maintenance	100	-	-1.52	-24.18	-180.57
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.15	-0.63
Fort Collins, CO	CO	Maintenance	100	-	-0.76	-11.97	-81.87
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.09	-0.41
Fort Wayne, IN	Ozone	Maintenance	100	-	-3.37	-50.01	-239.07
Franklin County, PA	Ozone	Maintenance	100	-	-1.12	-16.82	-87.86
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.12	-0.53
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.81	-26.56	-114.04
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.77	-27.87	-193.60

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.53	-6.48
Fresno, CA	CO	Maintenance	100	-	-0.80	-14.80	-185.63
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.15	-49.51	-343.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.24	-3.63	-18.88
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.44	-1.87
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.06	-0.29
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.28	-4.16	-21.67
Great Falls, MT	CO	Maintenance	100	-	-0.26	-3.82	-15.61
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.83	-62.72	-527.43
Greeley, CO	CO	Maintenance	100	-	-1.16	-17.25	-84.30
Green Bay, WI	SO _x	Maintenance	100	-	-0.39	-6.16	-46.09
Greene County, IN	Ozone	Maintenance	100	-	-0.79	-11.50	-47.56
Greene County, PA	Ozone	Maintenance	100	-	-0.54	-7.99	-34.81
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-5.11	-81.11	-591.97
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-2.29	-36.68	-278.58
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-9.24	-136.19	-617.72
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.06	-0.96	-7.64
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.50	-7.76	-49.29
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.86	-31.32	-291.31
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.84	-30.64	-274.23
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.06	-34.47	-315.79
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.36	-3.61
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.12	-1.95	-16.08
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.17	-1.60
Hazelwood, PA	SO _x	Maintenance	100	-	-0.26	-3.87	-20.93
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.52	-8.27	-60.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.96	-15.08	-106.05
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.06	-0.62

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Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-71.78	-1,054.99	-4,686.59
Humphreys County, TN	SO _x	Maintenance	100	-	-0.04	-0.52	-2.25
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.35	-120.51	-449.68
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.91	-99.27	-352.46
Huron County, MI	Ozone	Maintenance	100	-	-0.20	-3.04	-15.31
Imperial County, CA	Ozone	Moderate	50	-	-0.46	-7.97	-80.34
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.45	-7.80	-78.71
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.11	-1.67	-11.78
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.07	-0.37
Indianapolis, IN	Ozone	Maintenance	100	-	-7.60	-119.42	-829.65
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-5.79	-91.26	-647.95
Jackson County, IN	Ozone	Maintenance	100	-	-1.21	-17.61	-73.14
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.67	-10.35	-64.41
Jefferson County, NY	Ozone	Moderate	50	-	-0.25	-4.14	-38.41
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.11	-1.58	-6.34
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.82	-41.22	-176.18
Johnstown, PA	Ozone	Maintenance	100	-	-0.62	-9.19	-45.21
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.79	-11.70	-54.97
Juneau, AK	PM ₁₀	Moderate	100	-	-0.21	-3.01	-12.71
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.71	-41.14	-234.17
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.27	-4.03	-20.21
Kansas City, MO-KS	Ozone	Maintenance	100	-	-11.34	-170.89	-925.88
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.02	-1.05	-35.41
Kent, WA	PM ₁₀	Maintenance	100	-	-0.11	-1.71	-11.74
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.28	-4.36	-30.82
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.08	-1.23	-8.79
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.66	-4.50
Klamath Falls, OR	CO	Maintenance	100	-	-0.49	-7.17	-32.95

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.49	-7.17	-32.95
Knoxville, TN	Ozone	Former Subpart 1	50	-	-9.95	-148.81	-763.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-8.25	-122.89	-610.46
La Porte County, IN	SO _x	Maintenance	100	-	-0.34	-4.99	-22.54
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.19	-2.84	-12.32
Lake County, IN	SO _x	Maintenance	100	-	-1.84	-27.59	-146.10
Lake County, OH	SO _x	Maintenance	100	-	-0.05	-0.92	-9.97
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.07	-1.01	-4.42
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.01	-0.33	-9.87
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.03	-0.96	-23.15
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.74	-6.45
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.31	-4.42	-16.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.06	-0.43
Lancaster, PA	Ozone	Maintenance	100	-	-0.56	-10.40	-129.76
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.56	-10.40	-129.76
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.12	-0.63
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.84	-14.49	-145.12
LaPorte, IN	Ozone	Maintenance	100	-	-0.94	-13.83	-62.49
Las Vegas, NV	CO	Serious	100	-	-2.61	-46.57	-529.35
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.63	-47.06	-534.84
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.14	-2.43	-24.25
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.22	-1.06
Libby, MT	PM ₁₀	Moderate	100	-	-0.03	-0.38	-2.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.03	-0.51	-2.69
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.07	-0.98	-5.31
Lima, OH	Ozone	Maintenance	100	-	-2.26	-32.73	-127.69
Longmont, CO	CO	Maintenance	100	-	-0.07	-1.50	-27.67
Lorain County, OH	SO _x	Maintenance	100	-	-0.09	-1.54	-14.52

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-32.11	-544.61	-5,249.13
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-32.11	-544.61	-5,249.13
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-32.11	-544.61	-5,249.13
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-32.11	-544.61	-5,249.17
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-32.11	-544.58	-5,248.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.09	-19.54	-223.98
Louisville, KY-IN	Ozone	Maintenance	100	-	-3.40	-54.05	-398.79
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-3.44	-54.41	-389.02
Lowell, MA	CO	Maintenance	100	-	-0.18	-3.28	-36.42
Lucas County, OH	SO _x	Maintenance	100	-	-1.03	-16.08	-106.70
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.13	-2.10	-18.19
Macon, GA	Ozone	Maintenance	100	-	-2.15	-31.54	-140.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.13	-31.30	-138.90
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.02	-0.23	-1.26
Madison, WI	SO _x	Maintenance	100	-	-0.68	-11.17	-96.13
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.05	-0.79	-5.71
Manchester, NH	CO	Maintenance	100	-	-0.03	-0.71	-15.57
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.13	-2.33	-26.98
Marion County, IN	SO _x	Maintenance	100	-	-1.81	-27.24	-146.97
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.18	-3.30	-41.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-2.24	-33.54	-175.54
Mason County, MI	Ozone	Maintenance	100	-	-0.15	-2.27	-13.00
Medford, OR	CO	Maintenance	100	-	-0.08	-1.61	-24.80
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.19	-3.87	-59.84
Memphis, TN-AR	Ozone	Maintenance	100	-	-5.64	-85.15	-463.82
Memphis, TN	CO	Maintenance	100	-	-3.69	-56.93	-358.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.10	-1.62	-12.44

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.31	-1.88
Milwaukee, WI	SO _x	Maintenance	100	-	-1.78	-27.89	-191.47
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-4.57	-74.51	-617.80
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-17.80	-269.70	-1,511.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-12.85	-198.55	-1,260.36
Missoula, MT	CO	Maintenance	100	-	-1.02	-14.95	-62.12
Missoula, MT	PM ₁₀	Moderate	100	-	-0.99	-14.47	-60.10
Modesto, CA	CO	Maintenance	100	-	-1.01	-16.44	-132.95
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.30	-4.93	-43.55
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.10	-0.72
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.17	-1.18
Morristown, NJ	CO	Maintenance	100	-	-0.05	-0.99	-11.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.25	-3.66	-17.24
Muncie, IN	Ozone	Maintenance	100	-	-1.79	-26.05	-104.32
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.06	-0.85	-3.97
Muscatine County, IA	SO _x	Maintenance	100	-	-0.13	-1.98	-9.73
Muskegon, MI	Ozone	Maintenance	100	-	-0.89	-13.34	-70.57
Nashua, NH	CO	Maintenance	100	-	-0.02	-0.58	-12.72
Nashville, TN	Ozone	Former Subpart 1	50	-	-4.51	-73.49	-606.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.24	-4.52	-56.48
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.10	-16.53	-87.87
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-4.65	-70.18	-380.74
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.11	-1.55	-6.17
New York County, NY	PM ₁₀	Moderate	100	-	-9.03	-130.90	-509.07
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-37.42	-572.59	-3,424.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-54.04	-846.82	-5,809.72
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-52.73	-827.48	-5,718.47
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.12	-1.87	-15.06

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Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-7.71	-117.95	-703.11
Ogden, UT	CO	Maintenance	100	-	-0.12	-2.03	-20.29
Ogden, UT	PM ₁₀	Moderate	100	-	-0.12	-2.03	-20.29
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.08	-0.59
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.07	-1.12	-7.25
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.28	-4.57	-40.53
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.03	-0.49	-2.82
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.17	-17.35	-84.22
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.28	-18.98	-89.76
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.06	-1.01	-7.76
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.02	-0.16
Peoria, IL	SO _x	Maintenance	100	-	-0.15	-2.63	-27.19
Perth Amboy, NJ	CO	Maintenance	100	-	-0.44	-6.75	-42.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.97	-15.53	-118.68
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-25.43	-384.87	-2,140.54
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-29.33	-451.14	-2,786.73
Phoenix, AZ	CO	Maintenance	100	-	-3.56	-84.29	-1,621.25
Phoenix, AZ	PM ₁₀	Serious	70	-	-3.73	-87.56	-1,666.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-3.74	-87.78	-1,670.22
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.14	-2.04	-8.54
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.14	-0.63
Pittsburgh, PA	CO	Maintenance	100	-	-0.21	-3.10	-16.75
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-9.37	-143.27	-851.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-7.98	-122.54	-750.50
Polk County, TN	SO _x	Maintenance	100	-	-0.21	-3.03	-14.03
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.21	-1.44
Portland, ME	Ozone	Maintenance	100	-	-1.79	-28.49	-209.02

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Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.80	-45.74	-383.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.41	-6.06	-28.23
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.32	-41.30	-464.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.08	-1.15	-5.38
Providence (entire State), RI	Ozone	Moderate	50	-	-4.30	-66.56	-428.93
Provo, UT	CO	Maintenance	100	-	-0.39	-6.54	-60.74
Raleigh-Durham, NC	CO	Maintenance	100	-	-1.65	-31.17	-406.75
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-2.68	-48.48	-571.76
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.17	-0.87
Reading, PA	Ozone	Maintenance	100	-	-1.03	-16.43	-120.73
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.03	-16.43	-120.73
Reno, NV	CO	Maintenance	100	-	-0.65	-10.54	-85.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.15	-0.79
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-3.27	-52.88	-422.95
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.15	-2.39	-20.40
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-0.14	-6.31	-193.25
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.65	-24.77	-131.35
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.35	-5.40	-35.11
Rochester, NY	Ozone	Former Subpart 1	50	-	-3.44	-55.84	-452.89
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.95	-14.38	-82.38
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.04	-15.37	-74.00
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.08	-0.54
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.02	-0.26	-1.30
Sacramento County, CA	PM ₁₀	Moderate	100	-	-1.91	-36.90	-508.81
Sacramento Metro, CA	Ozone	Severe	25	-	-4.77	-85.97	-1,001.26
Sacramento, CA	CO	Maintenance	100	-	-2.01	-39.54	-566.17
Salem, OR	CO	Maintenance	100	-	-0.26	-4.29	-39.78
Salt Lake City, UT	CO	Maintenance	100	-	-0.59	-9.65	-78.17

Appendix B

Table B.1-152							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.84	-31.82	-327.05
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.58	-28.04	-314.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	-12.93	-194.80	-1,049.35
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.36	-7.54	-121.96
San Diego, CA	CO	Maintenance	100	-	-3.50	-75.85	-1,287.10
San Diego, CA	Ozone	Former Subpart 1	50	-	-3.51	-76.00	-1,289.63
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-23.73	-375.80	-2,720.50
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-24.43	-390.36	-2,949.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	-12.90	-212.95	-1,857.44
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-12.94	-213.61	-1,862.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-12.90	-212.95	-1,857.44
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.05	-0.96	-11.34
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.14	-0.61
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.57	-40.06	-266.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	-10.53	-166.93	-1,217.04
Sheboygan, WI	Ozone	Moderate	50	-	-0.37	-5.86	-44.79
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.29	-4.29	-18.26
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.02	-0.35	-4.92
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.74	-27.12	-180.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.28	-4.53	-39.25
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.36	-21.03	-134.86
Spokane, WA	CO	Maintenance	100	-	-1.34	-20.78	-133.26
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.31	-23.20	-256.29
Springfield, MA	CO	Maintenance	100	-	-0.29	-4.92	-47.82
St. Louis, MO	CO	Maintenance	100	-	-9.41	-138.05	-600.34
St. Louis, MO-IL	Ozone	Moderate	50	-	-22.08	-329.04	-1,636.94
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-22.04	-328.43	-1,631.24

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.16	-3.27	-49.26
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.09	-1.40	-9.64
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.67	-9.78	-39.31
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-1.64	-23.77	-94.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-1.64	-23.77	-94.12
Stockton, CA	CO	Maintenance	100	-	-1.25	-20.84	-191.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-3.46	-51.77	-267.10
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.06	-0.69
Terre Haute, IN	Ozone	Maintenance	100	-	-1.40	-20.56	-89.53
Tioga County, PA	Ozone	Maintenance	100	-	-0.13	-2.05	-16.89
Toledo, OH	Ozone	Maintenance	100	-	-4.31	-64.09	-313.28
Toms River, NJ	CO	Maintenance	100	-	-0.13	-2.40	-32.44
Tooele County, UT	SO _x	Nonattainment	100	-	-0.66	-9.96	-54.48
Trenton, NJ	CO	Maintenance	100	-	-0.16	-2.80	-27.88
Trona, CA	PM ₁₀	Moderate	100	-	-0.00	-0.06	-1.02
Tucson, AZ	CO	Maintenance	100	-	-2.66	-43.68	-372.79
Utah County, UT	PM ₁₀	Moderate	100	-	-1.11	-18.67	-173.33
Vancouver, WA	CO	Maintenance	100	-	-0.62	-10.78	-111.82
Ventura County, CA	Ozone	Serious	50	-	-0.95	-18.84	-274.36
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.14	-2.09	-8.08
Vigo County, IN	SO _x	Maintenance	100	-	-1.40	-20.56	-89.53
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.08	-1.44	-16.04
Warren County, NJ	SO _x	Maintenance	100	-	-0.06	-0.98	-10.78
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.74	-4.85
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-1.58	-23.64	-119.50
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.28	-41.08	-477.21

Appendix B

Table B.1-152
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Volatile Organic Compounds (VOCs) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-7.07	-131.45	-1,658.61
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-6.51	-122.76	-1,601.77
Washoe County, NV	PM ₁₀	Serious	70	-	-0.65	-10.54	-85.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.05	-0.74	-3.19
Wayne County, IN	SO _x	Maintenance	100	-	-0.72	-10.53	-46.34
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.97	-28.68	-119.12
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.11	-1.67	-6.68
Weirton, WV	SO _x	Maintenance	100	-	-0.16	-2.37	-9.50
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.59	-23.28	-101.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.59	-23.28	-101.01
Winston-Salem, NC	CO	Maintenance	100	-	-1.35	-21.48	-156.28
Worcester, MA	CO	Maintenance	100	-	-0.25	-4.89	-67.23
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.60	-9.07	-49.39
Yakima, WA	CO	Maintenance	100	-	-0.30	-4.48	-24.37
York, PA	Ozone	Maintenance	100	-	-1.45	-23.08	-172.76
York, PA	PM _{2.5}	Nonattainment	100	-	-0.91	-14.83	-123.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.08	-32.52	-218.48
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.62	-9.89	-77.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.13
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.06
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.18	0.68
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.68
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.08	0.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.31
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	-0.01
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.30	-0.51	-1.06
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.02

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.11
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.11
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	0.09
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.14	0.53
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.12
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.01	0.02	0.07
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.04	0.17
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.19	0.73
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.20	0.75

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.20
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.10
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.07	0.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.25
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.06
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.05	0.17
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.10
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.19	0.70
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	0.09
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.08	0.30

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.08	0.29
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.10	0.37
Detroit, MI	CO	Maintenance	100	-	0.01	0.04	0.17
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.13	0.48
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.47
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.02	0.08
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.05	0.17
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.04	0.17
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	0.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08

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Table B.1-153							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.03	0.11
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.36	-0.56	-0.93
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.05	0.21
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.16
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01

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Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.05	0.17
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	0.12
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.09
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05

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Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.01	0.04	0.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.04	0.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.10	0.35	1.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.10	0.35	1.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.10	0.35	1.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.10	0.35	1.43
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.35	1.43
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	0.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.03	0.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.11
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.03	0.11
Memphis, TN	CO	Maintenance	100	-	0.01	0.03	0.10
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.05	0.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.04	0.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.08	0.29
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.02	0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.22	0.82
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.41	1.54
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.41	1.53
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.04	0.16
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.46
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.18	0.68
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.12	0.45
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.12	0.47
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.12	0.47
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.21
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.19
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.06
Portland, OR	CO	Maintenance	100	-	0.01	0.03	0.12
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.04	0.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.03	0.10
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.03	0.13
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.05	0.18
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.13
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.14
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.04	0.15
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.07	0.26
Sacramento, CA	CO	Maintenance	100	-	0.01	0.04	0.16
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.02	-0.03	-0.06
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.03	0.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.05	0.19
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
San Diego, CA	CO	Maintenance	100	-	0.04	0.11	0.41
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.11	0.42
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.06	0.17	0.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.06	0.19	0.74
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.11	0.43
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	0.11	0.43

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Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.43
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.08	0.30
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	0.09
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	0.01	0.03	0.10
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.08	0.31
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.31
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.05
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.05
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-153							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.06
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.03	0.10
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	0.08
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.04	0.16
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.15	0.55
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.54
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.02

Appendix B

Table B.1-153
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.04
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.07
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.10	0.33
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.04	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.04	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.18	0.51	1.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.18	0.51	1.72
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.00	0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.08	0.23	0.77
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.23	0.77
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.71	-1.35	-2.37
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.08	0.26

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.26
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.06	0.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.14	0.39	1.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.05	0.17
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.09	0.30
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Charlotte, NC	CO	Maintenance	100	-	0.02	0.06	0.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.12	0.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.19	0.53	1.82
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.55	1.88
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.15	0.51

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.49
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.11	0.39
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Cleveland, OH	CO	Maintenance	100	-	0.03	0.07	0.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.19	0.66
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.61
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.05	0.16
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.04	0.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.05	0.17
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.13	0.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.40
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.07	0.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.06	0.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.19	0.53	1.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.06	0.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.19
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.23	0.77
Denver-Boulder, CO	CO	Maintenance	100	-	0.08	0.22	0.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.10	0.27	0.93
Detroit, MI	CO	Maintenance	100	-	0.04	0.12	0.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.13	0.35	1.19
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.12	0.34	1.17

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.04	0.12
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.04	0.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.03	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.11

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.04	0.15
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.06	0.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.12	0.42
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.12	0.42
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.21
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.07	0.23
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.06	0.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.08	0.27
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.83	-1.46	-1.93
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.15	0.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.41
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.04	0.13
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.13	0.43
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.09	0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.24
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.12
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.04	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.04	0.11	0.39
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.12	0.39
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.33	1.00	3.65
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.33	1.00	3.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.33	1.00	3.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.33	1.00	3.65
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.33	1.00	3.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.05	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.09	0.29
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.28
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.08	0.26
Memphis, TN	CO	Maintenance	100	-	0.02	0.07	0.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.04	0.14
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.13	0.46
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.12	0.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.21	0.72
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.12	0.42
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.06	0.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.03	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.21	0.59	2.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.40	1.12	3.82
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.40	1.11	3.78
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Table B.1-154
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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.12	0.40
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.03	0.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.12	0.34	1.14
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.18	0.49	1.67
Phoenix, AZ	CO	Maintenance	100	-	0.13	0.36	1.21
Phoenix, AZ	PM ₁₀	Serious	70	-	0.13	0.37	1.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.13	0.37	1.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.15	0.51
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.47
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.04	0.14

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Table B.1-154
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.08	0.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.10	0.35
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.07	0.25
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.10	0.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.13	0.46
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.09	0.31
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.05	0.16
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.10	0.34
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.11	0.38
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.20	0.69
Sacramento, CA	CO	Maintenance	100	-	0.05	0.13	0.43
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.05	-0.08	-0.12

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.02	0.09
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.08	0.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.14	0.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.11
San Diego, CA	CO	Maintenance	100	-	0.11	0.31	1.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.11	0.31	1.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.17	0.48	1.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.20	0.55	1.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.11	0.31	1.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.11	0.31	1.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.11	0.31	1.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.05	0.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.08	0.23	0.77
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.03	0.12
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.07	0.23
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.04
St. Louis, MO	CO	Maintenance	100	-	0.02	0.07	0.24
St. Louis, MO-IL	Ozone	Moderate	50	-	0.08	0.22	0.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.08	0.22	0.75

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.04	0.12
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.04	0.13
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.04	0.14
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.08	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.12
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.08
Ventura County, CA	Ozone	Serious	50	-	0.02	0.06	0.21
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.12	0.40

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.15	0.41	1.39
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.14	0.40	1.36
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.03	0.11
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.05	0.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.12	0.30	0.17
Albuquerque, NM	CO	Maintenance	100	-	0.05	0.13	0.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.04	0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.14	0.08
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.05	0.03
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.64	1.62	0.96
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.64	1.62	0.96
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.04	-0.06
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.28	0.71	0.42
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.28	0.71	0.42
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.06	-0.30
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.14	-2.90	-5.20
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.04	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.02
Billings, MT	CO	Maintenance	100	-	0.01	0.02	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.09	0.23	0.13

Appendix B

Table B.1-155							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.09	0.23	0.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.08	0.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.08	0.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.08	0.19	0.11
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.47	1.18	0.70
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.15	0.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.10	0.26	0.15
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.06	0.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.04
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.06	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.03
Charlotte, NC	CO	Maintenance	100	-	0.07	0.18	0.11
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.16	0.40	0.23
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.12	0.07
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.11	0.07
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.66	1.66	0.98
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.68	1.72	1.01
Chico, CA	CO	Maintenance	100	-	0.01	0.03	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.07	0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.18	0.46	0.27

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.44	0.26
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.15	0.38	0.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.06	0.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.04	0.02
Cleveland, OH	CO	Maintenance	100	-	0.08	0.20	0.12
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.23	0.57	0.34
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.21	0.53	0.31
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.17	0.10
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.15	0.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.15	0.09
Columbus, OH	Ozone	Maintenance	100	-	0.16	0.41	0.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.15	0.38	0.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.08	0.20	0.12
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.06	0.16	0.10
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.69	1.73	1.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.07	0.18	0.11
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.16	0.09
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.29	0.73	0.43
Denver-Boulder, CO	CO	Maintenance	100	-	0.28	0.70	0.41
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.35	0.88	0.52
Detroit, MI	CO	Maintenance	100	-	0.13	0.33	0.20
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.42	1.06	0.62
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.41	1.04	0.61

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Duluth, MN	CO	Maintenance	100	-	0.01	0.02	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.05	0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.11	0.07
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.00
Erie, PA	Ozone	Maintenance	100	-	0.02	0.05	0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.05	0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.05	0.03
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.06	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.04
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.07	0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.12	0.07
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.04	0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.08	0.05
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.11	0.06

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Table B.1-155							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.06	0.15	0.09
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.19	0.11
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.15	0.37	0.22
Greeley, CO	CO	Maintenance	100	-	0.01	0.03	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.03	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.15	0.37	0.22
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.18	0.11
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.08	0.20	0.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.03	0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.08	0.20	0.12
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.19	0.11
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.09	0.23	0.14
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.07	-2.75	-6.38
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.03	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.06	0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.05	0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.19	0.47	0.28
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.15	0.38	0.22
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.03	0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.05	0.03
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.11	0.07
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.16	0.40	0.23
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.29	0.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.22	0.13
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.07	0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.10	0.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.10	0.06
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.11	0.06
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.02	0.01
Las Vegas, NV	CO	Serious	100	-	0.15	0.38	0.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	0.39	0.23
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.01
Longmont, CO	CO	Maintenance	100	-	0.01	0.02	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01

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Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.33	3.35	1.59
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.33	3.35	1.59
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.33	3.35	1.59
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.33	3.35	1.59
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.33	3.35	1.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.17	0.10
Louisville, KY-IN	Ozone	Maintenance	100	-	0.10	0.25	0.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.24	0.14
Lowell, MA	CO	Maintenance	100	-	0.01	0.03	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.06	0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Macon, GA	Ozone	Maintenance	100	-	0.02	0.04	0.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.02	0.06	0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.01	0.02	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.07	0.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.04
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Medford, OR	CO	Maintenance	100	-	0.01	0.02	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.05	0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.09	0.22	0.13
Memphis, TN	CO	Maintenance	100	-	0.08	0.20	0.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.12	0.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.16	0.41	0.24
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.19	0.48	0.05
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.26	0.66	0.39
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Modesto, CA	CO	Maintenance	100	-	0.03	0.08	0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.03	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.03	0.02
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.16	0.39	0.23
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.04	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.07	0.17	0.10
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.10	0.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.70	1.76	1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.35	3.39	2.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.34	3.36	1.98
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01

Appendix B

**Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.14	0.36	0.21
Ogden, UT	CO	Maintenance	100	-	0.01	0.02	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.08	0.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.40	1.00	0.59
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.59	1.47	0.87
Phoenix, AZ	CO	Maintenance	100	-	0.52	1.30	0.77
Phoenix, AZ	PM ₁₀	Serious	70	-	0.53	1.34	0.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.53	1.34	0.79
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.18	0.44	0.26
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.40	0.24
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.05	0.13	0.08

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.10	0.26	0.14
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.34	0.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.09	0.23	0.14
Provo, UT	CO	Maintenance	100	-	0.02	0.04	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.32	0.19
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.17	0.44	0.26
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.08	0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.04
Reno, NV	CO	Maintenance	100	-	0.02	0.06	0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	0.28	0.16
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.17	0.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.02	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.12	0.30	0.18
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.04	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.16	0.39	0.23
Sacramento Metro, CA	Ozone	Severe	25	-	0.28	0.72	0.42
Sacramento, CA	CO	Maintenance	100	-	0.17	0.44	0.26
Salem, OR	CO	Maintenance	100	-	0.01	0.03	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.06	-0.16	-0.35

Appendix B

Table B.1-155							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.03	-0.23
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.24	0.14
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.18	0.44	0.26
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.10	0.06
San Diego, CA	CO	Maintenance	100	-	0.42	1.06	0.63
San Diego, CA	Ozone	Former Subpart 1	50	-	0.42	1.06	0.63
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.62	1.57	0.93
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.70	1.77	1.04
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.44	1.10	0.57
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.44	1.11	0.57
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.44	1.10	0.57
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.06	0.15	0.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.29	0.72	0.42
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.03	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.10	0.06
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.07	0.04
Spokane, WA	CO	Maintenance	100	-	0.03	0.07	0.04
Springfield (western MA), MA	Ozone	Moderate	50	-	0.08	0.20	0.12
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.02
St. Louis, MO	CO	Maintenance	100	-	0.07	0.19	0.11
St. Louis, MO-IL	Ozone	Moderate	50	-	0.26	0.65	0.38
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.26	0.65	0.38

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.04	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.02	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.01
Stockton, CA	CO	Maintenance	100	-	0.05	0.12	0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.11	0.07
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.03	0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.12	0.07
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.01
Trenton, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.10	0.24	0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.12	0.07
Vancouver, WA	CO	Maintenance	100	-	0.03	0.08	0.05
Ventura County, CA	Ozone	Serious	50	-	0.08	0.21	0.12
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.05	0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.14	0.36	0.22

Appendix B

Table B.1-155
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.52	1.31	0.77
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.51	1.28	0.75
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.06	0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.09	0.06
Worcester, MA	CO	Maintenance	100	-	0.02	0.05	0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.01
York, PA	Ozone	Maintenance	100	-	0.04	0.11	0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.05	0.13	0.08
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.05	0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-156
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.28	0.09
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.13	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.04	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.13	0.04
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.05	0.02
Anchorage, AK	CO	Maintenance	100	-	0.00	0.03	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.04	1.59	0.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	1.59	0.53
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.06	-0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.02	0.69	0.23
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.69	0.23
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	0.01	-0.29
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.14	-1.85	-4.58
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.03	0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.03	0.01
Billings, MT	CO	Maintenance	100	-	0.00	0.02	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.21	0.07

Appendix B

Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.21	0.07
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.08	0.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.08	0.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.18	0.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.03	1.12	0.37
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.15	0.05
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.24	0.08
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.06	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.02
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.05	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.05	0.02
Charlotte, NC	CO	Maintenance	100	-	0.00	0.18	0.06
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.39	0.13
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.11	0.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.10	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.04	1.60	0.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.04	1.65	0.55
Chico, CA	CO	Maintenance	100	-	0.00	0.03	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.07	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.43	0.14

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Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.42	0.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.39	0.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.06	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.04	0.01
Cleveland, OH	CO	Maintenance	100	-	0.00	0.17	0.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.52	0.17
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.48	0.16
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.18	0.06
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.15	0.05
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.14	0.05
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.40	0.13
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.38	0.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.17	0.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.14	0.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.05	1.73	0.58
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.16	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.14	0.05
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.02	0.72	0.24
Denver-Boulder, CO	CO	Maintenance	100	-	0.02	0.69	0.23
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.02	0.87	0.29
Detroit, MI	CO	Maintenance	100	-	0.01	0.26	0.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.03	0.99	0.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.03	0.97	0.32

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Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.02	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.04	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.11	0.04
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.05	0.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.05	0.02
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.05	0.02
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.05	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.06	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.11	0.04
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.04	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.08	0.03
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.11	0.04

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Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.14	0.05
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.19	0.06
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.34	0.11
Greeley, CO	CO	Maintenance	100	-	0.00	0.03	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.03	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.34	0.11
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.17	0.06
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.18	0.06
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.20	0.07
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.18	0.06
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.21	0.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.06	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-156
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-1.34	-5.86
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.03	0.01
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.06	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.06	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.46	0.15
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.36	0.12
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.02	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.03	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.04	0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.02	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.10	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.38	0.13
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.03	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.29	0.10
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.22	0.07
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.06	0.02
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.10	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.10	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.10	0.03
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.01
Las Vegas, NV	CO	Serious	100	-	0.01	0.39	0.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.40	0.13
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.02	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.00

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.08	3.40	0.69
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.08	3.40	0.69
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.08	3.40	0.69
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.08	3.40	0.69
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.08	3.40	0.69
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.17	0.06
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.23	0.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.22	0.07
Lowell, MA	CO	Maintenance	100	-	0.00	0.03	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.06	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.04	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.06	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.06	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.02
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.02	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.05	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.19	0.06
Memphis, TN	CO	Maintenance	100	-	0.00	0.18	0.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00

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Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.10	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.39	0.13
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.53	-0.09
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.02	0.64	0.21
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.08	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.03	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.03	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.38	0.13
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.04	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.04	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.16	0.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.09	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.04	1.62	0.54
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.08	3.17	1.06
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.08	3.14	1.05
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.00

Appendix B

Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.33	0.11
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.03	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.02	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.02	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.07	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.02	0.92	0.31
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.04	1.37	0.46
Phoenix, AZ	CO	Maintenance	100	-	0.04	1.40	0.47
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	1.44	0.48
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	1.44	0.48
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.40	0.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.37	0.12
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.12	0.04

Appendix B

Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.24	0.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.34	0.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.22	0.07
Provo, UT	CO	Maintenance	100	-	0.00	0.04	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.32	0.11
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.43	0.14
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.07	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.02
Reno, NV	CO	Maintenance	100	-	0.00	0.05	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.26	0.09
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.18	0.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.05	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.28	0.09
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.04	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.40	0.13
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.75	0.25
Sacramento, CA	CO	Maintenance	100	-	0.01	0.46	0.15
Salem, OR	CO	Maintenance	100	-	0.00	0.03	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.09	-0.31

Appendix B

Table B.1-156							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.09	-0.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.23	0.08
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.43	0.14
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.10	0.03
San Diego, CA	CO	Maintenance	100	-	0.03	1.08	0.36
San Diego, CA	Ozone	Former Subpart 1	50	-	0.03	1.09	0.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.04	1.56	0.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.05	1.75	0.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	1.17	0.29
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	1.17	0.29
San Joaquin Valley, CA	PM _{2,5}	Nonattainment	100	-	0.03	1.17	0.29
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.14	0.05
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.70	0.23
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.03	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.10	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.07	0.02
Spokane, WA	CO	Maintenance	100	-	0.00	0.07	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.19	0.06
Springfield, MA	CO	Maintenance	100	-	0.00	0.03	0.01
St. Louis, MO	CO	Maintenance	100	-	0.00	0.16	0.05
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	0.59	0.20
St. Louis, MO-IL	PM _{2,5}	Nonattainment	100	-	0.02	0.58	0.19

Appendix B

Table B.1-156
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.04	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.02	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.13	0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.10	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.11	0.04
Toms River, NJ	CO	Maintenance	100	-	0.00	0.03	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.24	0.08
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.12	0.04
Vancouver, WA	CO	Maintenance	100	-	0.00	0.08	0.03
Ventura County, CA	Ozone	Serious	50	-	0.01	0.22	0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.04	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.36	0.12

Appendix B

Table B.1-156
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.03	1.28	0.43
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.03	1.25	0.42
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.05	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.03	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.09	0.03
Worcester, MA	CO	Maintenance	100	-	0.00	0.05	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.10	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.08	0.03
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.12	0.04
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.05	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.02	0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.12
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.01	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.00	0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.04	-0.06	-0.12
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.00	0.02

Appendix B

Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.02	0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.00	0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.02	0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.13
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04

Appendix B

Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.00	0.00	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.02	0.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.01	0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Detroit, MI	CO	Maintenance	100	-	0.00	0.00	0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08

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Table B.1-157
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.00	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.03	-0.07	-0.08
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.00	0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.04	0.26
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.04	0.04	0.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.04	0.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.04	0.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.26
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN	CO	Maintenance	100	-	0.00	0.00	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.00	0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.02	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.05	0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.05	0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.02	0.12
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.01	0.08
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.01	0.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.00	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.00	0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.01	0.05
Sacramento, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	-0.01

Appendix B

Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.00	-0.00	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.01	0.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.02	0.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.02	0.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.01	0.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.01	0.05
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.00	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.00	0.00	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.01	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05

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Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.00	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.00	0.03

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Table B.1-157
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.02	0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Albuquerque, NM	CO	Maintenance	100	-	-	0.01	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.01	0.04
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.06	0.41
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.06	0.41
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.03	0.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.03	0.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.08	-0.16	-0.27
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.01
Billings, MT	CO	Maintenance	100	-	-	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.01	0.06

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Boston, MA	CO	Maintenance	100	-	-	0.01	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.05	0.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.01	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.07
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	-	0.01	0.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.01	0.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.06	0.43
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.07	0.44
Chico, CA	CO	Maintenance	100	-	-	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.02	0.12

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.12
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.01	0.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	-	0.01	0.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.02	0.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.02	0.14
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.04
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	0.01	0.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.04
Columbus, OH	Ozone	Maintenance	100	-	-	0.02	0.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.09
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.01	0.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.01	0.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.06	0.42
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.01	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.03	0.18
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.03	0.17
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.03	0.22
Detroit, MI	CO	Maintenance	100	-	-	0.01	0.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.04	0.28
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.04	0.27

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.03

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Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	-	0.01	0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.01	0.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.01	0.10
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.01	0.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.05
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.01	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.05
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.01	0.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.12	-0.17	-0.05
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.02	0.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.10
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.02	0.10
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.00

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.07
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.06
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	-	0.01	0.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.01	0.09
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.01	0.12	0.89
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.01	0.12	0.89
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.01	0.12	0.89
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.01	0.12	0.89
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.01	0.12	0.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.01	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.01	0.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.07
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Medford, OR	CO	Maintenance	100	-	-	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.01	0.06
Memphis, TN	CO	Maintenance	100	-	-	0.01	0.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.02	0.11
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	0.02	0.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.03	0.17
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.01	0.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.00	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.07	0.47
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.13	0.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.13	0.89
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.01	0.10
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.04	0.27
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.06	0.39
Phoenix, AZ	CO	Maintenance	100	-	-	0.04	0.29
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.04	0.29
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.04	0.29
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.02	0.12
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.11
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.01	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.01	0.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.01	0.08
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.01	0.06
Provo, UT	CO	Maintenance	100	-	-	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.01	0.08
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.02	0.11
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Reno, NV	CO	Maintenance	100	-	-	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.01	0.07
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.01	0.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.01	0.09
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.02	0.16
Sacramento, CA	CO	Maintenance	100	-	-	0.02	0.10
Salem, OR	CO	Maintenance	100	-	-	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.00	0.04
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.01	0.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.02	0.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
San Diego, CA	CO	Maintenance	100	-	-	0.04	0.25
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.04	0.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.06	0.39
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.07	0.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.04	0.27
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.04	0.27
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.04	0.27
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.01	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.03	0.18
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	-0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.01	0.05
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	-	0.01	0.06
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.03	0.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.03	0.18

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Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	-	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.01	0.06
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.01	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.01	0.09

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Table B.1-158
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.05	0.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.05	0.32
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.02
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.00
York, PA	Ozone	Maintenance	100	-	-	0.00	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.01	0.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	0.36
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.02	0.16
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.02	0.17
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.19	1.97
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.19	1.97
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.00	0.12
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.08	0.86
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.86
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.15
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.13	-0.34	-0.51
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.03	0.27

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.28
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.00	0.02	0.24
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.14	1.44
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.02	0.19
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	0.32
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Charlotte, NC	CO	Maintenance	100	-	0.00	0.02	0.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.05	0.48
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.15
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.19	2.03
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.20	2.10
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.05	0.55

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Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.54
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.04	0.47
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Cleveland, OH	CO	Maintenance	100	-	0.00	0.02	0.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.07	0.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.64
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.21
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.02	0.18
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.18
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.05	0.50
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.46
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.02	0.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.20	2.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.02	0.22
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.20
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.08	0.89
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.08	0.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.10	1.07
Detroit, MI	CO	Maintenance	100	-	0.00	0.04	0.40
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.12	1.29
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.12	1.27

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Table B.1-159							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.10
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.13

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Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.00	0.02	0.18
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.02	0.24
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.04	0.45
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.04	0.45
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.22
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.02	0.25
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.23
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.03	0.29
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.17	-0.32	0.79
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.05	0.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.46
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.14
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.05	0.48
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.03	0.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.27
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.13
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.13
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.00	0.04	0.47
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.04	0.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.03	0.39	4.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.03	0.39	4.43
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.03	0.39	4.43
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.03	0.39	4.43
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.39	4.43
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.02	0.21
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.03	0.31
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.29
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.03	0.26
Memphis, TN	CO	Maintenance	100	-	0.00	0.02	0.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.14
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.05	0.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	0.05	0.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.08	0.81
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.05	0.48
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.02	0.21
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.20	2.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.04	0.39	4.13
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.04	0.39	4.09
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.04	0.43
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.12	1.22
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.17	1.80
Phoenix, AZ	CO	Maintenance	100	-	0.02	0.15	1.59
Phoenix, AZ	PM ₁₀	Serious	70	-	0.02	0.15	1.63
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.02	0.15	1.63
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.54
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.49
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.01	0.16

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Table B.1-159							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.03	0.32
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.04	0.42
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.03	0.28
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.04	0.39
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.05	0.53
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.03	0.34
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.02	0.21
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	0.37
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.05	0.48
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.08	0.87
Sacramento, CA	CO	Maintenance	100	-	0.01	0.05	0.53
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.02	0.02

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	0.00	0.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.03	0.30
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.05	0.54
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.13
San Diego, CA	CO	Maintenance	100	-	0.01	0.12	1.29
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.12	1.29
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.18	1.91
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.20	2.15
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.13	1.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.13	1.42
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.13	1.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.02	0.18
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.08	0.87
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.12
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.02	0.25
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.04
St. Louis, MO	CO	Maintenance	100	-	0.00	0.02	0.23
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.07	0.79
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.79

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.14
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	0.15
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.03	0.30
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.10
Ventura County, CA	Ozone	Serious	50	-	0.00	0.02	0.26
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.04	0.44

Appendix B

Table B.1-159
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.15	1.59
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.15	1.55
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.12
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.10
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.02	0.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.04	0.53
Albuquerque, NM	CO	Maintenance	100	-	-	0.02	0.24
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.01	0.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.02	0.24
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.10
Anchorage, AK	CO	Maintenance	100	-	-	0.01	0.06
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.25	2.99
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.25	2.99
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.01	0.19
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.11	1.29
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.11	1.29
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	0.01	0.25
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.21	-0.39
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.01	0.06
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.01	0.06
Billings, MT	CO	Maintenance	100	-	-	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.03	0.39

Appendix B

Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.03	0.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.01	0.14
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.14
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Boston, MA	CO	Maintenance	100	-	-	0.03	0.34
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.18	2.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.02	0.28
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.04	0.45
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.01	0.11
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.11
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.01	0.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.01	0.10
Charlotte, NC	CO	Maintenance	100	-	-	0.03	0.33
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.06	0.73
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.02	0.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.02	0.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.26	3.01
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.26	3.11
Chico, CA	CO	Maintenance	100	-	-	0.01	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.13
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.07	0.81

Appendix B

Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.07	0.78
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.06	0.74
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.01	0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.01	0.07
Cleveland, OH	CO	Maintenance	100	-	-	0.03	0.31
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.08	0.99
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.08	0.90
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.03	0.34
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	-	0.02	0.28
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.02	0.27
Columbus, OH	Ozone	Maintenance	100	-	-	0.06	0.76
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.06	0.71
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.03	0.31
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.02	0.27
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.28	3.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.03	0.31
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.02	0.27
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.12	1.36
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.11	1.30
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.14	1.64
Detroit, MI	CO	Maintenance	100	-	-	0.04	0.49
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.16	1.87
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.16	1.83

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Table B.1-160							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.01	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.02	0.21
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	-	0.01	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.01	0.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.01	0.09
Evansville, IN	Ozone	Maintenance	100	-	-	0.01	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.13
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.02	0.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.01	0.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.01	0.15
Franklin County, PA	Ozone	Maintenance	100	-	-	0.01	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.02	0.20

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Table B.1-160							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	-	0.02	0.27
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.03	0.36
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.05	0.63
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.05
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.05
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.05	0.64
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.03	0.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.03	0.34
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.03	0.37
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.03	0.34
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.03	0.40
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.11
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.03	-0.10	1.70
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.11
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.06
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	-	0.01	0.11
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.10
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.07	0.86
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.06	0.69
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.02	0.20
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.06	0.72
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.01	0.06
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.02

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Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.05	0.54
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.03	0.41
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	-	0.01	0.11
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.02	0.19
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.19
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.02	0.19
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	-	0.06	0.74
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.06	0.75
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.02

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Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.00	0.55	6.74
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.00	0.55	6.74
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.00	0.55	6.74
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.00	0.55	6.74
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.55	6.74
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.03	0.31
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.04	0.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.04	0.41
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.05
Lucas County, OH	SO _x	Maintenance	100	-	-	0.01	0.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	-	0.01	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.01	0.12
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.04
Marion County, IN	SO _x	Maintenance	100	-	-	0.01	0.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.13
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Medford, OR	CO	Maintenance	100	-	-	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.03	0.36
Memphis, TN	CO	Maintenance	100	-	-	0.03	0.34
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.01

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Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.02	0.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.06	0.73
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.00	0.09	1.20
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.10	1.20
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	-	0.01	0.16
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.05
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.06	0.72
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.01	0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.03	0.30
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.01	0.16
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.26	3.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.51	5.97
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.50	5.91
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02

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Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.05	0.62
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.01	0.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.15	1.73
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.22	2.57
Phoenix, AZ	CO	Maintenance	100	-	-	0.22	2.64
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.23	2.71
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.23	2.71
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.06	0.75
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.06	0.69
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.02	0.23

Appendix B

Table B.1-160							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.04	0.46
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.05	0.65
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.04	0.41
Provo, UT	CO	Maintenance	100	-	-	0.01	0.08
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.05	0.60
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.07	0.81
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.01	0.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.13
Reno, NV	CO	Maintenance	100	-	-	0.01	0.10
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.04	0.49
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.03	0.34
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.01	0.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.05	0.53
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.01	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.06	0.76
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.12	1.41
Sacramento, CA	CO	Maintenance	100	-	-	0.07	0.86
Salem, OR	CO	Maintenance	100	-	-	0.00	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.01	0.05

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Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.02	0.40
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.04	0.44
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.07	0.81
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.02	0.19
San Diego, CA	CO	Maintenance	100	-	-	0.17	2.04
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.17	2.04
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.25	2.93
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.28	3.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.19	2.26
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.19	2.27
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.19	2.26
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.02	0.27
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.11	1.32
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.02	0.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.13
Spokane, WA	CO	Maintenance	100	-	-0.00	0.01	0.13
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.03	0.35
Springfield, MA	CO	Maintenance	100	-	-	0.01	0.06
St. Louis, MO	CO	Maintenance	100	-	-	0.02	0.29
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.09	1.10
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.09	1.10

Appendix B

Table B.1-160							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.01	0.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	-	0.02	0.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.02	0.19
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.04
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	-	0.02	0.20
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.04
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.04
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.04	0.45
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.02	0.22
Vancouver, WA	CO	Maintenance	100	-	-	0.01	0.15
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.04	0.42
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.06	0.67

Appendix B

Table B.1-160
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.21	2.41
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.20	2.35
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.01	0.10
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Winston-Salem, NC	CO	Maintenance	100	-	-	0.01	0.17
Worcester, MA	CO	Maintenance	100	-	-	0.01	0.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.02
York, PA	Ozone	Maintenance	100	-	-	0.02	0.19
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.15
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.02	0.22
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.09

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.05	-0.11	-0.39
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.01	-0.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Anchorage, AK	CO	Maintenance	100	-	-0.02	-0.03	-0.10
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.04	-0.05	-0.86
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	-0.05	-0.86
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	-0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.05	0.03	-0.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-0.27
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.04	-0.18
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.09
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	-0.01	-0.13

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Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.01	-0.02	-0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.01	0.01	-0.07
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.09	0.07	-0.42
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	-0.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.05
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.03
Charlotte, NC	CO	Maintenance	100	-	0.01	0.00	-0.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	-0.02	-0.23
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.09	0.04	-0.71
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.03	-0.75
Chico, CA	CO	Maintenance	100	-	0.00	-0.00	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.25

Appendix B

Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.24
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.00	-0.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Cleveland, OH	CO	Maintenance	100	-	0.00	-0.01	-0.14
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	-0.01	-0.33
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.30
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.05
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.02	-0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.16
Columbus, OH	Ozone	Maintenance	100	-	-0.00	-0.03	-0.25
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.14
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.11
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	-0.01	-0.81
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	0.03	-0.26
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.03	-0.25
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.04	0.01	-0.38
Detroit, MI	CO	Maintenance	100	-	0.00	-0.03	-0.25
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.00	-0.07	-0.69
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	-0.06	-0.67

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Table B.1-161							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.08
El Paso, TX	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.08
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.08
Evansville, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.07
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.07
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.10
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06

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Table B.1-161							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Benzene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.00	-0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.01	-0.17
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	-0.01	-0.22
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	-0.10
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.07	-0.21	-1.14
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	-0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-0.00	-0.04	-0.31
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.03	-0.24
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.07
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.04	-0.10	-0.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.01	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.07	-0.29
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.24
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.05
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Las Vegas, NV	CO	Serious	100	-	0.02	0.00	-0.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.16
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.19	0.08	-1.52
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.19	0.08	-1.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.19	0.08	-1.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.19	0.08	-1.52
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.19	0.08	-1.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.00	-0.07
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	-0.01	-0.15
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.15
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.08
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.00	-0.02	-0.17
Memphis, TN	CO	Maintenance	100	-	0.00	-0.01	-0.12
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00

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Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	-0.01	-0.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.03	-0.10	-0.55
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.03	-0.09	-0.54
Missoula, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.00	-0.00	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.21
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.00	-0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.36	-0.65	-1.58
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.62	-1.24	-3.81
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.54	-1.22	-4.54
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.54	-1.20	-4.49
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	-0.00	-0.18
Ogden, UT	CO	Maintenance	100	-	0.00	-0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.00	-0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	-0.05	-0.63
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.04	-0.04	-0.84
Phoenix, AZ	CO	Maintenance	100	-	0.06	0.04	-0.41
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	0.04	-0.43
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	0.04	-0.43
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.00	-0.03	-0.31
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.02	-0.27
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.00	-0.05

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	-0.01	-0.16
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	-0.00	-0.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	-0.01	-0.14
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.00	-0.14
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.00	-0.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.04
Reno, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	-0.00	-0.14
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	-0.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.16
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.01	-0.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.01	-0.27
Sacramento, CA	CO	Maintenance	100	-	0.02	0.01	-0.15
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.00	-0.00	-0.03

Appendix B

Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	-0.00	-0.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.03	-0.08	-0.39
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
San Diego, CA	CO	Maintenance	100	-	0.06	0.05	-0.34
San Diego, CA	Ozone	Former Subpart 1	50	-	0.06	0.05	-0.34
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.08	0.03	-0.63
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.09	0.05	-0.70
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	-0.02	-0.55
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.03	-0.02	-0.55
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	-0.02	-0.55
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.10
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.04	-0.11	-0.60
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.06
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	-0.08
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.01
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.03	-0.17
St. Louis, MO-IL	Ozone	Moderate	50	-	0.00	-0.04	-0.44
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.00	-0.04	-0.44

Appendix B

Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Stockton, CA	CO	Maintenance	100	-	0.00	-0.00	-0.05
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.00	-0.00	-0.07
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.00	-0.11
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.07
Vancouver, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.05
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	-0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.02	-0.14

Appendix B

Table B.1-161
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.08	0.05	-0.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.08	0.05	-0.48
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	-0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.01	-0.06
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.09
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.10	-0.28	-1.52
Albuquerque, NM	CO	Maintenance	100	-	0.01	-0.02	-0.48
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.00	-0.43
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.11
Anchorage, AK	CO	Maintenance	100	-	-0.04	-0.09	-0.29
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.16	-0.10	-5.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	-0.10	-5.13
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.02	-0.37
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.14	0.09	-2.01
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.14	0.09	-2.01
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.11	-0.75
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.05	-0.40
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Billings, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.08
Birmingham, AL	Ozone	Maintenance	100	-	0.02	-0.02	-0.78

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-0.78
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.06	-0.36
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.36
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.04	0.03	-0.56
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.25	0.18	-3.35
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.02	-0.43
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	-0.00	-0.85
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.00	-0.02	-0.25
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.25
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	-0.00	-0.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.21
Charlotte, NC	CO	Maintenance	100	-	0.03	0.01	-0.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	-0.05	-1.31
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.03	-0.09	-0.59
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.08	-0.53
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.28	0.12	-4.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.28	0.10	-5.13
Chico, CA	CO	Maintenance	100	-	0.00	-0.00	-0.08
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.19
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	-0.03	-1.51

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	-0.02	-1.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.02	-1.06
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.06	-0.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.20
Cleveland, OH	CO	Maintenance	100	-	0.01	-0.03	-0.76
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	-0.03	-1.96
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	-0.03	-1.80
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.03	-0.41
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.05	-0.54
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.10	-0.69
Columbus, OH	Ozone	Maintenance	100	-	0.02	-0.07	-1.38
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.05	-1.26
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.03	-0.76
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	-0.03	-0.62
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.21	-0.02	-5.15
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	-0.03	-0.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.02	-0.59
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.14	0.09	-1.99
Denver-Boulder, CO	CO	Maintenance	100	-	0.13	0.09	-1.91
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.13	0.04	-2.56
Detroit, MI	CO	Maintenance	100	-	0.02	-0.07	-1.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	-0.18	-3.76
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	-0.16	-3.67

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.09
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.02	-0.40
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.18
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.06	-0.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.28
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.02	-0.22
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.30
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.40
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.07	-0.40
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.16
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.04	-0.17
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.02	-0.34

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.01	-0.41
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	-0.04	-0.67
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.04
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.02	-1.16
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.10
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	-0.03	-1.26
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.00	-0.59
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.16	-1.00
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.00	-0.62
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-0.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.02	-0.73
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.14
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.23
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.10	-0.55	-5.29
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.06	-0.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.03	-0.19
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.00	-0.16
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.00	-0.15
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	-0.09	-1.66
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.06	-1.30
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.13
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.05	-0.27
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.11
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-0.04	-0.45
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.07	-0.25	-1.75
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.07
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.07

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.18	-1.24
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.05	-0.15	-0.99
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.22
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.31
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.00	-0.34
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.11
Las Vegas, NV	CO	Serious	100	-	0.06	0.02	-1.06
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.02	-1.08
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.13
Longmont, CO	CO	Maintenance	100	-	0.01	0.00	-0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.61	0.25	-10.65
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.61	0.25	-10.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.61	0.25	-10.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.61	0.25	-10.65
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.61	0.25	-10.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.01	-0.48
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	-0.02	-0.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.02	-0.85
Lowell, MA	CO	Maintenance	100	-	0.01	0.00	-0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.01	-0.01	-0.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.23
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.23
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.01	-0.20
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.07
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.03	-0.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.08
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.04	-0.33
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.14
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	-0.06	-0.86
Memphis, TN	CO	Maintenance	100	-	0.02	-0.02	-0.71
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02

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Table B.1-162
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Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	-0.01	-0.41
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	-0.02	-1.35
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.03	-0.25	-2.63
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.03	-0.24	-2.56
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.09
Modesto, CA	CO	Maintenance	100	-	0.01	-0.01	-0.24
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.04	-0.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.13
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	-0.03	-1.26
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.10
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.01	-0.56
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.85	-1.71	-3.96
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.39	-3.26	-12.62
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.13	-3.17	-17.59
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.11	-3.13	-17.41
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	-0.00	-1.15
Ogden, UT	CO	Maintenance	100	-	0.00	-0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.02	-0.15
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.02	-0.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.01	-0.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.07	-0.13	-3.53
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.16	-0.09	-4.97
Phoenix, AZ	CO	Maintenance	100	-	0.21	0.12	-3.19
Phoenix, AZ	PM ₁₀	Serious	70	-	0.22	0.12	-3.29
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.22	0.12	-3.30
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	-0.08	-1.64
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	-0.06	-1.47
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.01	-0.38

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Table B.1-162							
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Benzene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	-0.03	-0.91
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	-0.01	-1.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	-0.03	-0.79
Provo, UT	CO	Maintenance	100	-	0.00	-0.01	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.01	-0.93
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.01	-1.29
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	-0.01	-0.26
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.26
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.00	-0.89
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.03	-0.41
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.02	-0.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	-0.00	-0.98
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.01	-0.17
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.13
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.04	-1.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.10	0.03	-1.90
Sacramento, CA	CO	Maintenance	100	-	0.07	0.04	-1.14
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.11
Salt Lake City, UT	CO	Maintenance	100	-	0.01	-0.00	-0.16

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Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	-0.01	-0.77
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	-0.01	-0.77
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.04	-0.20	-1.79
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.01	-0.29
San Diego, CA	CO	Maintenance	100	-	0.20	0.14	-2.74
San Diego, CA	Ozone	Former Subpart 1	50	-	0.20	0.14	-2.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.26	0.11	-4.46
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.30	0.14	-5.02
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.12	-0.04	-3.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.12	-0.04	-3.44
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.12	-0.04	-3.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.02	-0.54
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.05	-0.29	-2.79
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.10
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.02	-0.38
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.29
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.29
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.03	-0.59
Springfield, MA	CO	Maintenance	100	-	0.01	0.00	-0.10
St. Louis, MO	CO	Maintenance	100	-	-0.01	-0.07	-0.82
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	-0.11	-2.39
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	-0.11	-2.38

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.12
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.03	-0.12
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.12
Stockton, CA	CO	Maintenance	100	-	0.02	0.00	-0.34
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.05	-0.48
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.03	-0.15
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.01	-0.01	-0.43
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.07
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.11
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.00	-0.72
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	-0.02	-0.39
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.01	-0.25
Ventura County, CA	Ozone	Serious	50	-	0.04	0.03	-0.56
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.15
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.22
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.05	-1.05

Appendix B

Table B.1-162
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.24	0.14	-3.67
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.24	0.14	-3.57
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.03	-0.17
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.17
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.02	-0.33
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.04
York, PA	Ozone	Maintenance	100	-	0.01	-0.01	-0.35
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	-0.27
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	-0.02	-0.50
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.14

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.62	-10.29
Albuquerque, NM	CO	Maintenance	100	-	0.08	-0.06	-4.19
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	-0.03	-1.15
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.10	0.00	-4.11
Altoona, PA	Ozone	Maintenance	100	-	0.01	-0.02	-0.69
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.02	-1.37
Anchorage, AK	CO	Maintenance	100	-	-0.04	-0.19	-1.47
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Atlanta, GA	Ozone	Moderate	50	-	1.11	-0.27	-49.36
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.11	-0.27	-49.38
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.34
Bakersfield, CA	CO	Maintenance	100	-	0.07	-0.04	-3.35
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.07
Baltimore, MD	Ozone	Moderate	50	-	0.59	0.16	-20.98
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.59	0.16	-20.98
Baton Rouge, LA	Ozone	Moderate	50	-	0.03	-0.24	-5.50
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.02	-0.12	-2.89
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.06	-1.26
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.19
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.04	-1.15
Billings, MT	CO	Maintenance	100	-	-0.00	-0.03	-0.57
Birmingham, AL	Ozone	Maintenance	100	-	0.15	-0.05	-6.90

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.15	-0.05	-6.93
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	-0.13	-2.64
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	-0.13	-2.64
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.15
Boston, MA	CO	Maintenance	100	-	0.16	0.05	-5.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.02	0.34	-34.78
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.13	0.05	-4.54
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.18	-0.02	-7.84
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.19
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.17
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	-0.05	-2.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	-0.05	-2.04
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.31
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.04	-0.01	-1.78
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-1.78
Charlotte, NC	CO	Maintenance	100	-	0.14	0.01	-5.37
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.25	-0.12	-12.19
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	-0.20	-4.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	-0.18	-3.79
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.32	0.18	-49.66
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.35	0.15	-51.43
Chico, CA	CO	Maintenance	100	-	0.02	-0.00	-0.90
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	-0.00	-1.99
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.31	-0.09	-13.89

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.30	-0.07	-13.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.09
Clark County, NV	PM ₁₀	Serious	70	-	0.30	0.04	-11.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.00	-0.13	-2.17
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	-0.07	-1.37
Cleveland, OH	CO	Maintenance	100	-	0.11	-0.10	-6.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.39	-0.12	-17.52
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.36	-0.11	-16.08
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.15	0.06	-5.00
Colbert County, AL	SO _x	Maintenance	100	-	0.00	-0.02	-0.42
Colorado Springs, CO	CO	Maintenance	100	-	0.07	-0.11	-4.66
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	-0.23	-5.02
Columbus, OH	Ozone	Maintenance	100	-	0.25	-0.16	-12.68
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.24	-0.13	-11.74
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.11	-0.10	-6.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.09	-0.08	-5.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.27	-0.07	-52.23
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.11	-0.07	-5.66
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.10	-0.06	-4.98
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.62	0.18	-21.59
Denver-Boulder, CO	CO	Maintenance	100	-	0.59	0.17	-20.66
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.69	0.06	-26.41
Detroit, MI	CO	Maintenance	100	-	0.18	-0.17	-10.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.63	-0.45	-32.86
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.62	-0.42	-32.20

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.26
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.24
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.19
Duluth, MN	CO	Maintenance	100	-	0.00	-0.03	-0.59
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.03	0.00	-1.35
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.07	-0.05	-3.58
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.22
Erie, PA	Ozone	Maintenance	100	-	0.03	-0.01	-1.54
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.01	-0.14	-1.94
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.01	-0.13	-1.86
Evansville, IN	Ozone	Maintenance	100	-	0.03	-0.04	-1.81
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	-0.07	-2.36
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.03	-0.20
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.05	-0.00	-2.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Flint, MI	Ozone	Maintenance	100	-	0.07	-0.03	-3.55
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.02	-0.03	-1.39
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	-0.15	-2.85
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.05	-1.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.08	-1.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.06	-0.04	-3.25

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.13
Fresno, CA	CO	Maintenance	100	-	0.12	0.02	-4.31
Grand Rapids, MI	Ozone	Maintenance	100	-	0.11	-0.08	-6.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.26
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.29
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.01	-0.14
Greater Connecticut, CT	Ozone	Moderate	50	-	0.28	0.02	-11.01
Greeley, CO	CO	Maintenance	100	-	0.01	-0.03	-0.97
Green Bay, WI	SO _x	Maintenance	100	-	0.02	-0.01	-0.89
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.37
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.35
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.24	-0.09	-11.26
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.13	-0.01	-5.44
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	-0.37	-6.79
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.02	-0.01	-0.82
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.15	-0.00	-6.13
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.14	-0.01	-5.66
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.19	0.03	-6.98
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.30
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.28
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-1.19
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.04	-0.02	-2.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.53	-1.25	-43.03
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.14	-2.28
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.08	-1.20
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Imperial County, CA	Ozone	Moderate	50	-	0.04	0.00	-1.67
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.04	0.00	-1.63
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.23
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.28	-0.21	-14.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.23	-0.15	-11.69
Jackson County, IN	Ozone	Maintenance	100	-	0.00	-0.02	-0.58
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	-0.02	-1.08
Jefferson County, NY	Ozone	Moderate	50	-	0.02	0.00	-0.84
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.12	-1.70
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.02	-0.64
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-0.72
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	-0.09	-3.60
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.26
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.09	-0.55	-13.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.01	-1.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.20
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	-0.01	-0.58
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.17
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.08
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.03	-0.40

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Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.40
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.07	-0.39	-9.64
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	-0.33	-7.42
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.26
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.13
Lake County, IN	SO _x	Maintenance	100	-	0.05	0.00	-1.98
Lake County, OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.24
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.00	-0.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.54
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.14
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.08	0.02	-3.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.02	-3.12
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.08	-0.00	-3.28
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.04	-0.71
Las Vegas, NV	CO	Serious	100	-	0.30	0.04	-11.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.31	0.04	-11.62
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	-0.00	-0.57
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.09
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.05	-0.83
Longmont, CO	CO	Maintenance	100	-	0.02	0.01	-0.67
Lorain County, OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.32

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2.94	0.44	-110.04
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2.94	0.44	-110.04
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2.94	0.44	-110.04
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2.94	0.44	-110.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2.94	0.44	-110.04
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.14	0.03	-5.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.17	-0.06	-7.73
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.16	-0.07	-7.43
Lowell, MA	CO	Maintenance	100	-	0.02	0.01	-0.80
Lucas County, OH	SO _x	Maintenance	100	-	0.04	-0.02	-1.98
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.40
Macon, GA	Ozone	Maintenance	100	-	-0.00	-0.09	-1.53
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.09	-1.51
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.04	-0.02	-1.89
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.48
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.67
Marion County, IN	SO _x	Maintenance	100	-	0.03	-0.06	-2.18
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.00	-0.89
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	-0.10	-2.42
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.19
Medford, OR	CO	Maintenance	100	-	0.01	0.00	-0.60
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.00	-1.44
Memphis, TN-AR	Ozone	Maintenance	100	-	0.11	-0.15	-6.86
Memphis, TN	CO	Maintenance	100	-	0.13	-0.06	-6.15
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	-0.00	-0.22

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Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.07	-0.04	-3.55
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.29	-0.06	-12.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.30	-0.56	-21.77
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.29	-0.55	-21.15
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.05	-0.55
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.05	-0.53
Modesto, CA	CO	Maintenance	100	-	0.06	-0.01	-2.45
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.00	-0.82
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.00	-0.25
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	-0.01	-0.21
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.08	-0.90
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.01	-0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.03	-0.97
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.39
Nashville, TN	Ozone	Former Subpart 1	50	-	0.27	-0.08	-11.96
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.01	-1.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.00	-1.03
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.13	0.01	-5.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-1.34	-3.73	-11.22
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.41	-7.19	-68.89
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.15	-7.09	-117.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.13	-7.00	-116.75
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.29

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.26	-0.03	-10.78
Ogden, UT	CO	Maintenance	100	-	0.01	-0.00	-0.47
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.47
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	-0.02	-0.84
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.04	-1.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.04	-1.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.14
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.00	-0.64
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.01	-0.60
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.07	0.01	-2.44
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.61	-0.36	-30.81
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.00	-0.29	-45.03
Phoenix, AZ	CO	Maintenance	100	-	1.10	0.31	-38.46
Phoenix, AZ	PM ₁₀	Serious	70	-	1.12	0.32	-39.53
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.13	0.32	-39.64
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.19
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.25	-0.22	-13.77
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.24	-0.16	-12.49
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.01	-0.16
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Portland, ME	Ozone	Maintenance	100	-	0.10	0.02	-3.83

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.17	-0.08	-8.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.35
Poughkeepsie, NY	Ozone	Moderate	50	-	0.25	-0.02	-10.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.14	-0.08	-7.11
Provo, UT	CO	Maintenance	100	-	0.03	-0.01	-1.26
Raleigh-Durham, NC	CO	Maintenance	100	-	0.25	0.02	-9.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.33	0.01	-13.08
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.05	-0.02	-2.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.05	-0.02	-2.31
Reno, NV	CO	Maintenance	100	-	0.05	0.01	-1.67
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.20	-0.01	-8.43
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.38
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.15	0.06	-5.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	-0.04	-1.83
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	-0.01	-0.60
Rochester, NY	Ozone	Former Subpart 1	50	-	0.22	-0.02	-9.18
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	-0.03	-1.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	-0.04	-0.90
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.32	0.08	-11.56
Sacramento Metro, CA	Ozone	Severe	25	-	0.57	0.08	-21.34
Sacramento, CA	CO	Maintenance	100	-	0.36	0.09	-12.99
Salem, OR	CO	Maintenance	100	-	0.02	-0.01	-0.91
Salt Lake City, UT	CO	Maintenance	100	-	0.04	-0.01	-1.53

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.17	-0.03	-7.35
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.17	-0.03	-7.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.16	-0.46	-14.37
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.09	0.03	-3.09
San Diego, CA	CO	Maintenance	100	-	0.91	0.30	-31.22
San Diego, CA	Ozone	Former Subpart 1	50	-	0.91	0.30	-31.28
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.25	0.20	-46.76
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.43	0.26	-52.64
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.85	-0.09	-35.56
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.85	-0.09	-35.67
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.85	-0.09	-35.56
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.25
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.09	-0.06	-4.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	-0.64	-23.03
Sheboygan, WI	Ozone	Moderate	50	-	0.02	-0.01	-0.87
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.19
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.06	-0.05	-3.21
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.00	-1.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	-0.07	-2.30
Spokane, WA	CO	Maintenance	100	-	0.02	-0.07	-2.28
Springfield (western MA), MA	Ozone	Moderate	50	-	0.17	0.05	-5.97
Springfield, MA	CO	Maintenance	100	-	0.03	0.01	-1.00
St. Louis, MO	CO	Maintenance	100	-	0.07	-0.18	-6.00
St. Louis, MO-IL	Ozone	Moderate	50	-	0.38	-0.28	-20.17
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.38	-0.29	-20.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.03	0.01	-1.22
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.03	-0.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.06	-0.73
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.06	-0.73
Stockton, CA	CO	Maintenance	100	-	0.09	0.00	-3.65
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	-0.11	-3.65
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.06	-0.96
Tioga County, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.36
Toledo, OH	Ozone	Maintenance	100	-	0.08	-0.04	-3.70
Toms River, NJ	CO	Maintenance	100	-	0.02	0.01	-0.74
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	-0.04	-0.81
Trenton, NJ	CO	Maintenance	100	-	0.02	0.00	-0.61
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Tucson, AZ	CO	Maintenance	100	-	0.18	0.00	-7.30
Utah County, UT	PM ₁₀	Moderate	100	-	0.08	-0.04	-3.64
Vancouver, WA	CO	Maintenance	100	-	0.05	-0.03	-2.43
Ventura County, CA	Ozone	Serious	50	-	0.18	0.06	-6.38
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.06	-0.96
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.38
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.00	-0.25
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.07	-1.59
Washington, DC-MD-VA	CO	Maintenance	100	-	0.30	0.08	-10.79

Appendix B

Table B.1-163
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.08	0.26	-38.70
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.06	0.27	-37.80
Washoe County, NV	PM ₁₀	Serious	70	-	0.05	0.01	-1.67
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.03	-0.50
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.61
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.07	-1.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.07	-1.08
Winston-Salem, NC	CO	Maintenance	100	-	0.06	-0.04	-2.94
Worcester, MA	CO	Maintenance	100	-	0.05	0.02	-1.57
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.04	-0.74
Yakima, WA	CO	Maintenance	100	-	0.00	-0.02	-0.33
York, PA	Ozone	Maintenance	100	-	0.07	-0.03	-3.24
York, PA	PM _{2.5}	Nonattainment	100	-	0.06	-0.02	-2.49
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.08	-0.05	-4.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.03	-0.01	-1.41

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.01	-0.66	-14.81
Albuquerque, NM	CO	Maintenance	100	-	0.00	-0.15	-6.18
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	-0.05	-1.78
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	-0.11	-6.19
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.03	-0.96
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	-0.03	-2.40
Anchorage, AK	CO	Maintenance	100	-	-0.01	-0.15	-2.02
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.09
Atlanta, GA	Ozone	Moderate	50	-	0.08	-1.55	-76.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	-1.55	-76.81
Atlantic City, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.49
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.12	-5.21
Baltimore, MD	CO	Maintenance	100	-	0.00	-0.00	-0.10
Baltimore, MD	Ozone	Moderate	50	-	0.05	-0.51	-32.58
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.05	-0.51	-32.58
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.29	-7.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.00	-0.15	-4.07
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.07	-1.68
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.31
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	-0.06	-1.71
Billings, MT	CO	Maintenance	100	-	-0.00	-0.03	-0.82
Birmingham, AL	Ozone	Maintenance	100	-	0.01	-0.22	-10.02

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	-0.23	-10.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.00	-0.14	-3.91
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.14	-3.91
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.23
Boston, MA	CO	Maintenance	100	-	0.01	-0.13	-8.55
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.08	-0.80	-52.98
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	-0.10	-7.07
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	-0.24	-11.51
Burlington, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.27
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.08	-2.88
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.08	-2.88
Case County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.45
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Charleston, WV	Ozone	Maintenance	100	-	0.00	-0.06	-2.48
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	-0.06	-2.48
Charlotte, NC	CO	Maintenance	100	-	0.01	-0.15	-8.47
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	-0.41	-18.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.23	-5.82
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	-0.21	-5.38
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.10	-1.33	-76.45
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.10	-1.39	-79.11
Chico, CA	CO	Maintenance	100	-	0.00	-0.03	-1.57
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	-0.06	-3.30
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	-0.44	-20.84

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.42	-20.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.11
Clark County, NV	PM ₁₀	Serious	70	-	0.03	-0.31	-18.77
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.00	-0.14	-3.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.08	-1.93
Cleveland, OH	CO	Maintenance	100	-	0.00	-0.22	-8.27
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	-0.56	-25.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.51	-23.33
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	-0.12	-8.50
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.02	-0.56
Colorado Springs, CO	CO	Maintenance	100	-	0.00	-0.20	-7.25
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.00	-0.27	-7.31
Columbus, OH	Ozone	Maintenance	100	-	0.02	-0.46	-19.71
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.41	-18.31
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	-0.22	-8.27
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	-0.21	-7.19
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.10	-1.55	-83.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	-0.20	-8.07
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.17	-7.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.05	-0.52	-34.39
Denver-Boulder, CO	CO	Maintenance	100	-	0.05	-0.50	-32.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	-0.73	-41.83
Detroit, MI	CO	Maintenance	100	-	0.00	-0.41	-13.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.03	-1.20	-48.72
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	-1.17	-47.76

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.41
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.34
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.28
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.03	-0.82
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.13
East Chicago, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	-0.04	-1.96
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.13	-5.40
El Paso, TX	CO	Maintenance	100	-	0.00	-0.01	-0.32
Erie, PA	Ozone	Maintenance	100	-	0.00	-0.05	-2.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.00	-0.14	-2.81
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.00	-0.13	-2.70
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.07	-2.63
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	-0.11	-3.37
Fairbanks, AK	CO	Maintenance	100	-	-0.00	-0.02	-0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	-0.06	-3.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.10
Flint, MI	Ozone	Maintenance	100	-	0.00	-0.12	-5.17
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.06	-2.19
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.00	-0.16	-4.10
Franklin County, PA	Ozone	Maintenance	100	-	0.00	-0.06	-1.74
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.08	-1.53
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.12	-5.20

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.23
Fresno, CA	CO	Maintenance	100	-	0.01	-0.11	-6.82
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	-0.22	-9.25
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.35
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.02	-0.44
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.17
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	-0.30	-16.15
Greeley, CO	CO	Maintenance	100	-	0.00	-0.05	-1.46
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.03	-1.33
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.02	-0.53
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.02	-0.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	-0.37	-16.58
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	-0.16	-7.98
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.01	-0.39	-9.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	-0.01	-0.23
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.03	-1.22
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	-0.18	-9.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.17	-8.74
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	-0.17	-10.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	-0.00	-0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.49
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.01	-0.43
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	-0.04	-1.69
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	-0.07	-2.90
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	-0.00	-0.02

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.02	-1.90	-64.59
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.14	-3.11
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	-0.08	-1.59
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.29
Imperial County, CA	Ozone	Moderate	50	-	0.00	-0.05	-2.71
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.05	-2.65
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.32
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	-0.55	-22.46
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.42	-17.84
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.03	-0.83
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.04	-1.57
Jefferson County, NY	Ozone	Moderate	50	-	0.00	-0.02	-1.25
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.00	-0.12	-2.33
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.03	-0.81
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.04	-0.91
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.20
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.15	-5.19
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.38
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.00	-0.70	-19.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	-0.02	-1.57
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.32
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.02	-0.84
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.01	-0.24
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.12
Klamath Falls, OR	CO	Maintenance	100	-	-0.00	-0.03	-0.55

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.55
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	-0.49	-14.64
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.39	-11.11
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.34
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.18
Lake County, IN	SO _x	Maintenance	100	-	0.00	-0.05	-2.81
Lake County, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.35
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	-0.01	-0.43
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	-0.01	-0.99
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	-0.00	-0.20
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.12
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.01	-0.08	-4.77
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.08	-4.77
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	-0.09	-4.91
LaPorte, IN	Ozone	Maintenance	100	-	-0.00	-0.04	-0.95
Las Vegas, NV	CO	Serious	100	-	0.03	-0.31	-18.77
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	-0.32	-18.97
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	-0.02	-0.82
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.11
Lima, OH	Ozone	Maintenance	100	-	-0.00	-0.05	-1.15
Longmont, CO	CO	Maintenance	100	-	0.00	-0.01	-1.12
Lorain County, OH	SO _x	Maintenance	100	-	0.00	-0.01	-0.48

Appendix B

Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.23	-2.95	-172.91
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.23	-2.95	-172.91
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.23	-2.95	-172.91
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.23	-2.95	-172.91
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.23	-2.95	-172.90
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	-0.13	-7.97
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	-0.25	-11.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	-0.24	-10.74
Lowell, MA	CO	Maintenance	100	-	0.00	-0.02	-1.27
Lucas County, OH	SO _x	Maintenance	100	-	0.00	-0.07	-2.78
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.57
Macon, GA	Ozone	Maintenance	100	-	-0.00	-0.09	-2.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.09	-2.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.07	-3.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.16
Manchester, NH	CO	Maintenance	100	-	0.00	-0.01	-0.65
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	-0.02	-0.97
Marion County, IN	SO _x	Maintenance	100	-	0.00	-0.10	-3.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	-0.02	-1.51
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.00	-0.12	-3.50
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.29
Medford, OR	CO	Maintenance	100	-	0.00	-0.02	-0.98
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	-0.04	-2.36
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	-0.28	-9.65
Memphis, TN	CO	Maintenance	100	-	0.01	-0.20	-8.77
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.36

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Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	-0.12	-5.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	-0.40	-18.90
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	-0.95	-32.73
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	-0.92	-31.78
Missoula, MT	CO	Maintenance	100	-	-0.00	-0.04	-0.77
Missoula, MT	PM ₁₀	Moderate	100	-	-0.00	-0.04	-0.74
Modesto, CA	CO	Maintenance	100	-	0.00	-0.08	-3.99
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.02	-1.37
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	-0.01	-0.42
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.29
Muncie, IN	Ozone	Maintenance	100	-	-0.00	-0.07	-1.14
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.18
Muskegon, MI	Ozone	Maintenance	100	-	0.00	-0.05	-1.42
Nashua, NH	CO	Maintenance	100	-	0.00	-0.01	-0.53
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	-0.38	-18.47
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	-0.03	-2.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	-0.03	-1.70
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	-0.14	-7.59
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	-0.16	-2.46	-11.79
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.23	-6.08	-92.82
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.14	-7.42	-167.29
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.14	-7.34	-165.70
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.45

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Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	-0.32	-15.99
Ogden, UT	CO	Maintenance	100	-	0.00	-0.01	-0.69
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.69
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.19
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.03	-1.31
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	-0.00	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.06	-1.48
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.06	-1.49
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.22
Penns Grove, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	-0.02	-0.93
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	-0.02	-1.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	-0.06	-3.39
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.04	-1.08	-45.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	-1.44	-66.49
Phoenix, AZ	CO	Maintenance	100	-	0.10	-1.00	-66.57
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	-1.03	-68.28
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	-1.03	-68.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.01	-0.34
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	-0.52	-19.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.45	-17.94
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.22
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.01	-0.10	-5.77

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	-0.27	-11.90
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.03	-0.48
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	-0.32	-16.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	-0.25	-10.78
Provo, UT	CO	Maintenance	100	-	0.00	-0.04	-1.99
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	-0.26	-15.20
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.03	-0.37	-20.65
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.00	-0.07	-3.40
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.07	-3.40
Reno, NV	CO	Maintenance	100	-	0.00	-0.04	-2.52
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	-0.24	-12.56
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.63
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	-0.12	-8.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.07	-2.61
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.02	-0.90
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	-0.27	-13.62
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.06	-1.85
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.05	-1.28
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	-0.30	-19.26
Sacramento Metro, CA	Ozone	Severe	25	-	0.05	-0.60	-35.85
Sacramento, CA	CO	Maintenance	100	-	0.03	-0.34	-21.67
Salem, OR	CO	Maintenance	100	-	0.00	-0.03	-1.31
Salt Lake City, UT	CO	Maintenance	100	-	0.00	-0.05	-2.35

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Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	-0.22	-11.22
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	-0.22	-11.22
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	-0.65	-21.56
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	-0.07	-4.82
San Diego, CA	CO	Maintenance	100	-	0.08	-0.76	-51.37
San Diego, CA	Ozone	Former Subpart 1	50	-	0.08	-0.76	-51.47
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.10	-1.24	-74.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.11	-1.37	-83.28
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	-1.11	-58.27
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	-1.11	-58.40
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	-1.11	-58.27
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	-0.01	-0.41
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.17	-6.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	-1.01	-34.90
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.03	-1.31
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.02	-0.25
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	-0.00	-0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.12	-4.70
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	-0.02	-1.23
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.11	-3.46
Spokane, WA	CO	Maintenance	100	-	0.00	-0.10	-3.42
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	-0.14	-8.94
Springfield, MA	CO	Maintenance	100	-	0.00	-0.02	-1.57
St. Louis, MO	CO	Maintenance	100	-	-0.00	-0.27	-7.92
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	-0.73	-28.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	-0.72	-28.64

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Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	-0.03	-1.91
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.26
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.03	-0.43
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.00	-0.05	-0.95
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.00	-0.05	-0.95
Stockton, CA	CO	Maintenance	100	-	0.01	-0.11	-6.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	-0.17	-5.16
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.06	-1.25
Tioga County, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.51
Toledo, OH	Ozone	Maintenance	100	-	0.00	-0.12	-5.30
Toms River, NJ	CO	Maintenance	100	-	0.00	-0.02	-1.22
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.05	-1.18
Trenton, NJ	CO	Maintenance	100	-	0.00	-0.02	-0.93
Trona, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Tucson, AZ	CO	Maintenance	100	-	0.01	-0.21	-11.50
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	-0.12	-5.68
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.08	-3.88
Ventura County, CA	Ozone	Serious	50	-	0.02	-0.16	-10.53
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.06	-1.25
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	-0.01	-0.56
Warren County, NJ	SO _x	Maintenance	100	-	0.00	-0.01	-0.38
Warren County, PA	SO _x	Nonattainment	100	-	0.00	-0.00	-0.12
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.08	-2.25
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	-0.27	-17.03

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Table B.1-164
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.09	-0.96	-60.98
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.09	-0.93	-59.52
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	-0.04	-2.52
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.03	-0.67
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.00	-0.05	-1.37
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.07	-1.40
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.07	-1.40
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.10	-4.39
Worcester, MA	CO	Maintenance	100	-	0.00	-0.04	-2.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-1.06
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.02	-0.52
York, PA	Ozone	Maintenance	100	-	0.00	-0.11	-4.94
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.08	-3.80
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	-0.14	-5.75
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	-0.04	-2.25

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.04	0.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.08
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.02	0.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.02	-0.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.05	-0.08	-0.17
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.01	0.01

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Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.01	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.03	0.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.01	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.04	0.08
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.09
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02

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Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.00	0.01	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.02	0.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.04	0.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.01	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.02	0.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Detroit, MI	CO	Maintenance	100	-	0.00	0.01	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.03	0.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.06

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Table B.1-165							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.02
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.01	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.01	0.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.08	-0.14	-0.30
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.01	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.05	0.09	0.18
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.05	0.09	0.18
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.05	0.09	0.18
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.05	0.09	0.18
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.01	0.01
Memphis, TN	CO	Maintenance	100	-	0.00	0.01	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.01	0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.02	0.03
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.05	0.10
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.09	0.18
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.00	0.01	0.01
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.03	0.05
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.03	0.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.03	0.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-165							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.01	0.01
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.01	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.01	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.01	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.02	0.03
Sacramento, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-165							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.02	0.05
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.00	-0.00	-0.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.00	0.00	0.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.03	0.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.02	0.03
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.01	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.00	0.01	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.02	0.04
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04

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Table B.1-165							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.01	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.01	0.02

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Table B.1-165
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.03	0.06
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.00
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.12	-0.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.12	-0.08
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	-0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.05	-0.04
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.04
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.12
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.11	-0.21	-0.40
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.02	-0.01

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Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	-0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.02	-0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.09	-0.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.01
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	-0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.03	-0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.13	-0.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.13	-0.09
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.02

Appendix B

Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.03	-0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.02	-0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.05	-0.03
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	-0.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	-0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.13	-0.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.05	-0.03
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.07	-0.04
Detroit, MI	CO	Maintenance	100	-	0.01	0.03	-0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.08	-0.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.08	-0.05

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Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	-0.01

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Table B.1-166							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.03	-0.02
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.03	-0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	-0.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.19	-0.35	-0.87
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.04	-0.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	-0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

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Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.01
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.03	-0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.03	-0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.27	-0.19
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	0.27	-0.19
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.27	-0.19
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.27	-0.19
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.27	-0.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.01
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Memphis, TN	CO	Maintenance	100	-	0.01	0.02	-0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	-0.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.04	-0.05
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.05	-0.03
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	-0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.03	-0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	-0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.14	-0.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	0.27	-0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	0.27	-0.18
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.03	-0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	-0.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.04	-0.23
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.09	-0.06
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.09	-0.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.09	-0.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.04	-0.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.01

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Table B.1-166							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	-0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	-0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.02	-0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	-0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Reno, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	-0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.05	-0.03
Sacramento, CA	CO	Maintenance	100	-	0.02	0.03	-0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	-0.01
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.08	-0.05
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.08	-0.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.00	0.01	-0.26
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.01	0.03	-0.27
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.08	-0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.08	-0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	-0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.05	-0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	-0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.02	-0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.02	-0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.05	-0.04
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-0.04

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Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	-0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	-0.00
Ventura County, CA	Ozone	Serious	50	-	0.01	0.02	-0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.03	-0.02

Appendix B

Table B.1-166
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.10	-0.07
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.10	-0.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	-0.00
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.78
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.03	-0.36
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.36
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.12
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	-0.09
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.27	0.37	-4.28
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.27	0.37	-4.28
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.02	0.02	-0.30
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.12	0.16	-1.87
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.16	-1.87
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.10	-0.68
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.18	-0.46	-1.07
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.04
Birmingham, AL	Ozone	Maintenance	100	-	0.04	0.05	-0.60

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Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.60
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	-0.21
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.21
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.04	-0.51
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.20	0.27	-3.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.04	-0.41
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.68
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.17
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.15
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.15
Charlotte, NC	CO	Maintenance	100	-	0.03	0.04	-0.47
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	0.09	-1.05
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.32
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.30
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.28	0.38	-4.40
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.28	0.39	-4.55
Chico, CA	CO	Maintenance	100	-	0.00	0.01	-0.08
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.17
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.08	0.10	-1.20

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Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.10	-1.17
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.09	-1.01
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.16
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Cleveland, OH	CO	Maintenance	100	-	0.03	0.05	-0.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.10	0.13	-1.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.12	-1.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.04	-0.45
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.03	-0.39
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.40
Columbus, OH	Ozone	Maintenance	100	-	0.07	0.09	-1.08
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-1.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.05	-0.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.04	-0.43
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.29	0.40	-4.57
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.04	-0.48
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.43
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.12	0.17	-1.93
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.16	-1.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.15	0.20	-2.33
Detroit, MI	CO	Maintenance	100	-	0.06	0.08	-0.88
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.18	0.24	-2.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.17	0.24	-2.74

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Table B.1-167							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.03	-0.30
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.13
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	-0.14
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.14
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.19
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.18
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	-0.12
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.22
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.02	-0.28

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Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.03	-0.38
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.51
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.08	-0.97
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	-0.08
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.08
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.06	0.08	-0.97
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.48
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	-0.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.05	-0.54
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.50
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.05	-0.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.10
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.17
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-0.68	-5.25
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.15
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.08	0.11	-1.25
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-1.00
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	-0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.13
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.30
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.07	0.09	-1.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.03

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.77
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.59
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.17
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.28
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.28
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.29
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Las Vegas, NV	CO	Serious	100	-	0.06	0.09	-1.01
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.09	-1.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.06
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	-0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.61	0.84	-9.76
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.61	0.84	-9.76
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.61	0.84	-9.76
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.61	0.84	-9.76
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.61	0.84	-9.76
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.04	-0.45
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.06	-0.67
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.64
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	-0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.17
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	-0.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.16
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.06
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	-0.18
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.19
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.05	-0.57
Memphis, TN	CO	Maintenance	100	-	0.03	0.05	-0.53
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.03	-0.30
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.07	0.10	-1.09
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.10	0.13	-1.84
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.11	0.15	-1.75
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	-0.21
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.08
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.09	-1.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.11
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.04	-0.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.02	-0.26
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.29	0.41	-4.64
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.57	0.78	-8.96
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.56	0.78	-8.88
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.08	-0.94
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.07
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	-0.22
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.10	0.05	-2.95
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.18	0.16	-4.21
Phoenix, AZ	CO	Maintenance	100	-	0.22	0.30	-3.44
Phoenix, AZ	PM ₁₀	Serious	70	-	0.22	0.31	-3.53
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.22	0.31	-3.54
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.10	-1.17
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-1.06
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.03	-0.34

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.04	0.06	-0.70
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.06	0.08	-0.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.05	-0.61
Provo, UT	CO	Maintenance	100	-	0.01	0.01	-0.11
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.07	-0.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.10	-1.15
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.20
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.20
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.06	-0.74
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.04	-0.45
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.15
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.07	-0.80
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.09	-1.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.17	-1.89
Sacramento, CA	CO	Maintenance	100	-	0.07	0.10	-1.16
Salem, OR	CO	Maintenance	100	-	0.00	0.01	-0.08
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.14

Appendix B

Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.05	-0.64
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.06	-0.64
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.10	-1.17
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.28
San Diego, CA	CO	Maintenance	100	-	0.18	0.24	-2.80
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.25	-2.81
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.17	0.14	-4.53
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.21	0.18	-5.06
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.19	0.26	-3.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.19	0.27	-3.12
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.19	0.26	-3.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.12	0.16	-1.91
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	-0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.27
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.19
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	-0.19
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.05	-0.53
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.09
St. Louis, MO	CO	Maintenance	100	-	0.03	0.04	-0.49
St. Louis, MO-IL	Ozone	Moderate	50	-	0.11	0.15	-1.71
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.11	0.15	-1.70

Appendix B

Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.11
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.05
Stockton, CA	CO	Maintenance	100	-	0.02	0.03	-0.32
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.03	-0.30
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.07
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.03	-0.32
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	-0.07
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	-0.06
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.06	-0.64
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.31
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	-0.21
Ventura County, CA	Ozone	Serious	50	-	0.04	0.05	-0.57
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.07
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.13
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.08	-0.96

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Table B.1-167
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.22	0.30	-3.45
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.21	0.29	-3.37
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.02	-0.25
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.14
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.06
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.28
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.22
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	-0.36
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.12

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	-1.23
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.02	-0.55
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.02	-0.57
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.22
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.15
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.19	-6.97
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.19	-6.97
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.01	-0.48
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.08	-3.01
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.08	-3.00
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.07	-0.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.30	-1.08
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.14
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.15
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.07
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.02	-0.90

Appendix B

Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.02	-0.91
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	-0.34
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.34
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.00	0.02	-0.79
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.01	0.13	-4.90
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.02	-0.65
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	-1.04
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.25
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.25
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	-0.22
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.22
Charlotte, NC	CO	Maintenance	100	-	0.00	0.02	-0.78
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.05	-1.70
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.49
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.46
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.19	-7.02
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.20	-7.26
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.14
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.30
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.05	-1.89

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Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.05	-1.82
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.05	-1.73
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	-0.27
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.16
Cleveland, OH	CO	Maintenance	100	-	0.00	0.02	-0.73
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.06	-2.30
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.06	-2.11
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	-0.79
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.02	-0.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.02	-0.63
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.05	-1.77
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	-1.65
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.02	-0.73
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.02	-0.63
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.21	-7.60
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.02	-0.72
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	-0.63
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.09	-3.18
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.08	-3.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.10	-3.84
Detroit, MI	CO	Maintenance	100	-	0.00	0.03	-1.14
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.12	-4.36
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.12	-4.27

Appendix B

Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.07
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	-0.48
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	-0.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	-0.22
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.23
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.29
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.28
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.46
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	-0.20
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.35
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.15
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.01	-0.47

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Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Fresno, CA	CO	Maintenance	100	-	0.00	0.02	-0.63
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.02	-0.83
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.04	-1.48
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.13
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.12
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.04	-1.50
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	-0.73
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.02	-0.79
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.02	-0.86
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	-0.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.03	-0.93
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.15
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.26
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.03	-0.45	-7.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.26
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.13
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-0.25
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.24
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.06	-2.01
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.04	-1.60
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.14
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.19
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.08
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.46
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.05	-1.68
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.15
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.03	-1.27
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	-0.96
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.26
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.44
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.44
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.45
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Las Vegas, NV	CO	Serious	100	-	0.01	0.05	-1.73
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.05	-1.74
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.10
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.05	0.43	-15.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.05	0.43	-15.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.05	0.43	-15.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.05	0.43	-15.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.43	-15.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.02	-0.73
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.03	-1.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	-0.97
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.12
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.25
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.05
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	-0.17
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.17
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.27
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.09
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	-0.27
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.30
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.09
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.22
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.02	-0.85
Memphis, TN	CO	Maintenance	100	-	0.00	0.02	-0.79
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	-0.46
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.05	-1.71
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.06	-2.92
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.08	-2.80
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	-0.36
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.09
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.12
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.04	-1.68
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.19
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.15
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.02	-0.69
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.37
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.19	-7.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.04	0.38	-13.92
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.04	0.38	-13.79
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.04	-1.45
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.13
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.13
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.09
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.10
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	-0.31
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-4.31
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.01	0.05	-6.28
Phoenix, AZ	CO	Maintenance	100	-	0.02	0.17	-6.16
Phoenix, AZ	PM ₁₀	Serious	70	-	0.02	0.17	-6.31
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.02	0.17	-6.33
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.05	-1.75
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.04	-1.60
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.01	-0.53

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.03	-1.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.04	-1.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.03	-0.97
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.18
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.04	-1.39
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.05	-1.89
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.31
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.31
Reno, NV	CO	Maintenance	100	-	0.00	0.01	-0.23
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.03	-1.14
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.02	-0.79
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	-1.24
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	-0.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.11
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.05	-1.78
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.09	-3.30
Sacramento, CA	CO	Maintenance	100	-	0.01	0.05	-2.00
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.12
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	-0.22

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.00	0.03	-1.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.03	-1.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.05	-1.89
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.45
San Diego, CA	CO	Maintenance	100	-	0.01	0.13	-4.75
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.13	-4.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.01	0.04	-7.17
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.01	0.07	-8.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.02	0.14	-5.32
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.02	0.14	-5.34
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.02	0.14	-5.32
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.02	-0.62
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.08	-3.08
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.12
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.30
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	-0.30
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.02	-0.83
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.15
St. Louis, MO	CO	Maintenance	100	-	0.00	0.02	-0.68
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.07	-2.57
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.07	-2.56

Appendix B

Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.08
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.08
Stockton, CA	CO	Maintenance	100	-	0.00	0.02	-0.56
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	-0.45
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.10
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.01	-0.48
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.11
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.10
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.09
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.03	-1.05
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.51
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	-0.35
Ventura County, CA	Ozone	Serious	50	-	0.00	0.03	-0.97
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.19
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.04	-1.57

Appendix B

Table B.1-168
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.15	-5.62
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.15	-5.49
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	-0.23
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.12
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.11
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	-0.39
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-0.23
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.04
York, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.45
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.34
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.01	-0.51
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.20

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-169							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
DPM 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	0.75
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.05	0.35
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.05	0.35
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.54	3.88
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.54	3.88
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.04	-0.04	0.08
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.24	1.74
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.24	1.74
Baton Rouge, LA	Ozone	Moderate	50	-	-2.71	-4.62	-9.71
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-8.64	-14.87	-32.03
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	0.11
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.09
Billings, MT	CO	Maintenance	100	-	-1.44	-2.47	-5.32
Birmingham, AL	Ozone	Maintenance	100	-	-0.13	-0.14	0.13

Appendix B

Table B.1-169
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.13	-0.14	0.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.03	0.19
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.19
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.00	0.07	0.51
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.42	3.00
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.05	0.38
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.10	0.69
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.23	-0.37	-0.69
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.23	-0.37	-0.69
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.02	0.17
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.17
Charlotte, NC	CO	Maintenance	100	-	0.00	0.06	0.43
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.13	0.95
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.32
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.04	0.29
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-4.00	-6.36	-10.89
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-4.00	-6.34	-10.75
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.16	1.16

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Table B.1-169
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.16	1.13
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.12	0.85
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.02	0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Cleveland, OH	CO	Maintenance	100	-	0.00	0.08	0.57
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.21	1.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.20	1.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.05	0.36
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.05	0.34
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.05	0.38
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.14	0.97
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.13	0.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.08	0.57
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.06	0.46
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.56	4.00
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.07	0.50
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.44
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-1.75	-2.80	-4.86
Denver-Boulder, CO	CO	Maintenance	100	-	-1.75	-2.81	-4.93
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-1.75	-2.75	-4.50
Detroit, MI	CO	Maintenance	100	-	-1.36	-2.22	-4.13
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-1.76	-2.68	-3.90
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-1.76	-2.69	-3.95

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Table B.1-169
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-3.18	-5.47	-11.75
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.96	-1.62	-3.31
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.00	0.02	0.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.02	0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.02	0.13
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.02	0.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.19
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.17
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.04	0.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.03	0.21
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.03	0.24

Appendix B

Table B.1-169							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2							
DPM 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.00	0.05	0.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.07	0.47
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.14	0.98
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.07
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.13	0.96
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.48
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.07	0.54
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.07	0.50
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.09	0.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.17
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-169
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-13.18	-22.30	-45.98
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1.74	-2.98	-6.32
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1.74	-2.99	-6.40
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.02	0.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.16	1.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.13	0.93
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.02	0.13
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.04	0.30
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.14	0.97
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.10	0.68
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.53
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.18
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.04	0.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.26
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.04	0.28
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Las Vegas, NV	CO	Serious	100	-	0.00	0.12	0.85
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.12	0.86
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-2.21	-3.80	-8.19
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-6.22	-9.56	-14.54
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-6.22	-9.56	-14.54
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-6.22	-9.56	-14.54
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-6.22	-9.56	-14.54
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-6.22	-9.56	-14.54
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.06	0.40
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.09	0.67
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.09	0.65
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	0.00	0.02	0.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.02	0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.19
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.19
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.68	-1.09	-1.95
Memphis, TN	CO	Maintenance	100	-	-0.68	-1.10	-2.00
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.04	0.32
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.15	1.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.24	1.68
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.23	1.63
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.02	0.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.08
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.13	0.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.07	0.47
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.04	0.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.69	-0.58	1.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.94	-0.46	5.10
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.94	-0.47	5.03
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-2.46	-4.12	-8.27
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.06
Perth Amboy, NJ	CO	Maintenance	100	-	-0.26	-0.45	-0.94
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.03	0.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-3.81	-6.22	-11.63
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-3.81	-6.06	-10.44
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.36	2.57
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.37	2.66
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.37	2.67
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.17	1.19
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.15	1.09
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.05	0.33

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	0.07	0.63
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.11	0.78
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.08	0.58
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.10	0.75
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.14	1.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.03	0.20
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Reno, NV	CO	Maintenance	100	-	0.00	0.02	0.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	0.09	0.71
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.05	0.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	0.79
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.02	0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.12	0.84
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.21	1.50
Sacramento, CA	CO	Maintenance	100	-	0.00	0.13	0.93
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Salt Lake City, UT	CO	Maintenance	100	-	-0.62	-1.04	-2.17

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.61	-0.98	-1.70
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.08	0.60
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.15	1.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.03	0.25
San Diego, CA	CO	Maintenance	100	-	0.01	0.33	2.35
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.33	2.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-5.07	-8.26	-15.31
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-5.07	-8.19	-14.82
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.03	0.28	2.39
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.03	0.28	2.40
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.03	0.28	2.39
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.06	0.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.24	1.73
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.04	0.27
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.17
Spokane, WA	CO	Maintenance	100	-	0.00	0.02	0.17
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.07	0.53
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.08
St. Louis, MO	CO	Maintenance	100	-	0.00	0.08	0.56
St. Louis, MO-IL	Ozone	Moderate	50	-	-9.89	-16.82	-35.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-9.89	-16.82	-35.19

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.02	-0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.02	-0.01
Stockton, CA	CO	Maintenance	100	-	0.00	0.04	0.26
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.04	0.31
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-2.30	-3.92	-8.26
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.06
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.08	0.57
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.04	0.28
Vancouver, WA	CO	Maintenance	100	-	0.00	0.02	0.18
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.06	0.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.02	0.13
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.13	0.92

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.44	3.12
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.43	3.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.02	0.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-1.05	-1.80	-3.86
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.03	0.24
Worcester, MA	CO	Maintenance	100	-	0.00	0.02	0.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.00	0.04	0.26
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.05	0.39
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.29	2.91
Albuquerque, NM	CO	Maintenance	100	-	-	0.13	1.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.03	0.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.13	1.35
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.02	0.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.04	0.38
Anchorage, AK	CO	Maintenance	100	-	-	0.03	0.32
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	-0.00	1.50	15.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	1.50	15.27
Atlantic City, NJ	CO	Maintenance	100	-	-	0.01	0.12
Bakersfield, CA	CO	Maintenance	100	-	-0.11	-0.11	0.62
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	-	0.67	6.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.67	6.81
Baton Rouge, LA	Ozone	Moderate	50	-	-6.38	-12.16	-21.32
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.31	-39.14	-72.19
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.04	0.41
Benzie County, MI	Ozone	Maintenance	100	-	-	0.01	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.03	0.33
Billings, MT	CO	Maintenance	100	-	-3.38	-6.50	-11.98
Birmingham, AL	Ozone	Maintenance	100	-	-0.30	-0.35	1.23

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.30	-0.35	1.23
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.07	0.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.07	0.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.04
Boston, MA	CO	Maintenance	100	-	-0.00	0.19	1.94
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	1.14	11.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.15	1.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.26	2.63
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.54	-0.98	-1.28
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.54	-0.98	-1.28
Case County, MI	Ozone	Maintenance	100	-	-	0.01	0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	-	0.06	0.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.06	0.63
Charlotte, NC	CO	Maintenance	100	-	-	0.16	1.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.37	3.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.12	1.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.11	1.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-9.45	-16.68	-17.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-9.45	-16.62	-17.38
Chico, CA	CO	Maintenance	100	-	-	0.02	0.25
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.06	0.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.44	4.49

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.43	4.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	-	0.34	3.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.06	0.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.04	0.41
Cleveland, OH	CO	Maintenance	100	-	-	0.21	2.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.58	5.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.53	5.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.14	1.46
Colbert County, AL	SO _x	Maintenance	100	-	-	0.01	0.14
Colorado Springs, CO	CO	Maintenance	100	-	-	0.13	1.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.15	1.48
Columbus, OH	Ozone	Maintenance	100	-	-	0.38	3.83
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.35	3.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.21	2.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.17	1.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	1.56	15.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.19	1.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.17	1.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.14	-7.33	-8.09
Denver-Boulder, CO	CO	Maintenance	100	-	-4.14	-7.36	-8.39
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.14	-7.19	-6.70
Detroit, MI	CO	Maintenance	100	-	-3.20	-5.82	-7.89
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.18	-7.03	-4.49
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.18	-7.05	-4.69

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.01	0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.01	0.06
Duluth, MN	CO	Maintenance	100	-	-	0.02	0.19
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-7.48	-14.39	-26.44
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.26	-4.26	-7.04
El Paso, TX	CO	Maintenance	100	-	-	0.01	0.07
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.05	0.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.05	0.52
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.05	0.50
Evansville, IN	Ozone	Maintenance	100	-	-	0.06	0.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.07	0.74
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.07	0.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.12	1.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.04	0.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.08	0.83
Franklin County, PA	Ozone	Maintenance	100	-	-	0.03	0.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.03	0.30
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.09	0.95

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	-0.00	0.13	1.34
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.18	1.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.09
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.07
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.37	3.74
Greeley, CO	CO	Maintenance	100	-	-	0.03	0.28
Green Bay, WI	SO _x	Maintenance	100	-	-	0.03	0.28
Greene County, IN	Ozone	Maintenance	100	-	-	0.01	0.11
Greene County, PA	Ozone	Maintenance	100	-	-	0.01	0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.36	3.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.18	1.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.20	2.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.01	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.03	0.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.19	1.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.18	1.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.24	2.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.04	0.41
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.07	0.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.01

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-31.01	-58.63	-98.78
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-4.09	-7.84	-14.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-4.09	-7.87	-14.35
Huron County, MI	Ozone	Maintenance	100	-	-	0.01	0.06
Imperial County, CA	Ozone	Moderate	50	-	-	0.05	0.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.05	0.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.01	0.08
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.45	4.56
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.36	3.62
Jackson County, IN	Ozone	Maintenance	100	-	-	0.02	0.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.03	0.35
Jefferson County, NY	Ozone	Moderate	50	-	-	0.03	0.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.05	0.49
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.02	0.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	0.25
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.11	1.15
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.01	0.07
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.37	3.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.03	0.33
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.06
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.02	0.19
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.01	0.06
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	-	0.01	0.11

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.27	2.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.21	2.10
La Porte County, IN	SO _x	Maintenance	100	-	-	0.01	0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.07	0.69
Lake County, OH	SO _x	Maintenance	100	-	-	0.01	0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.01	0.07
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.01	0.14
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.10	1.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.10	1.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.11	1.09
LaPorte, IN	Ozone	Maintenance	100	-	-	0.02	0.22
Las Vegas, NV	CO	Serious	100	-	-	0.34	3.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.34	3.47
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.02	0.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-5.20	-10.01	-18.45
Longmont, CO	CO	Maintenance	100	-	-	0.02	0.21
Lorain County, OH	SO _x	Maintenance	100	-	-	0.01	0.10

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-14.72	-25.01	-18.19
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-14.72	-25.01	-18.19
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-14.72	-25.01	-18.19
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-14.72	-25.01	-18.19
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-14.72	-25.01	-18.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.15	1.58
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.25	2.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.24	2.48
Lowell, MA	CO	Maintenance	100	-	-0.00	0.03	0.26
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.07	0.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.14
Macon, GA	Ozone	Maintenance	100	-	-	0.05	0.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.05	0.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	-	0.05	0.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	-	0.02	0.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.02	0.23
Marion County, IN	SO _x	Maintenance	100	-	-	0.07	0.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.03	0.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.07	0.73
Mason County, MI	Ozone	Maintenance	100	-	-	0.01	0.06
Medford, OR	CO	Maintenance	100	-	-	0.02	0.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.04	0.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.60	-2.87	-3.50
Memphis, TN	CO	Maintenance	100	-	-1.60	-2.89	-3.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.01	0.07

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.12	1.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.40	4.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.65	6.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.63	6.38
Missoula, MT	CO	Maintenance	100	-	-	0.01	0.14
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.01	0.14
Modesto, CA	CO	Maintenance	100	-	-	0.07	0.70
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.02	0.24
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	-	0.01	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.01	0.07
Muncie, IN	Ozone	Maintenance	100	-	-	0.03	0.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	-	0.03	0.29
Nashua, NH	CO	Maintenance	100	-	-0.00	0.01	0.14
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.37	3.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.03	0.32
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.03	0.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.18	1.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.10	1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.67	-1.48	11.78
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.30	-1.13	25.52
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.30	-1.16	25.23
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.09

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-5.79	-10.83	-17.26
Ogden, UT	CO	Maintenance	100	-	-	0.02	0.16
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.02	0.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.02	0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.03	0.33
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.03	0.33
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.02	0.23
Perth Amboy, NJ	CO	Maintenance	100	-	-0.62	-1.18	-2.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.09	0.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-8.98	-16.34	-22.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.00	-15.92	-17.56
Phoenix, AZ	CO	Maintenance	100	-	-0.00	1.05	10.72
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	1.08	11.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	1.08	11.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.01	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.44	4.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.40	4.15
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.05
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.12	1.28

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.03	0.19	2.52
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.31	3.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.22	2.24
Provo, UT	CO	Maintenance	100	-	-	0.04	0.37
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.29	2.97
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.40	4.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.07	0.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	0.76
Reno, NV	CO	Maintenance	100	-	-	0.05	0.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.26	2.75
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.14	1.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.06	0.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.02	0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.30	3.04
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.04	0.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.03	0.27
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.33	3.41
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.60	6.12
Sacramento, CA	CO	Maintenance	100	-	-	0.37	3.80
Salem, OR	CO	Maintenance	100	-	-	0.03	0.30
Salt Lake City, UT	CO	Maintenance	100	-	-1.45	-2.75	-4.72

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.45	-2.56	-2.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.23	2.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.42	4.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.10	0.98
San Diego, CA	CO	Maintenance	100	-	-	0.93	9.46
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.93	9.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-11.96	-21.67	-28.47
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-11.96	-21.48	-26.53
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.11	0.81	9.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.11	0.81	10.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.11	0.81	9.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.01	0.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.15	1.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.67	6.80
Sheboygan, WI	Ozone	Moderate	50	-	-	0.03	0.27
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.10	1.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.03	0.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.07	0.68
Spokane, WA	CO	Maintenance	100	-	-	0.07	0.67
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.20	2.03
Springfield, MA	CO	Maintenance	100	-	-	0.03	0.33
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.20	2.08
St. Louis, MO-IL	Ozone	Moderate	50	-	-23.26	-44.27	-76.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-23.26	-44.27	-77.03

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Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.04	0.39
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.01	0.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.06	0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.06	0.07
Stockton, CA	CO	Maintenance	100	-	-	0.10	1.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.11	1.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.03	0.30
Tioga County, PA	Ozone	Maintenance	100	-	-	0.01	0.13
Toledo, OH	Ozone	Maintenance	100	-	-5.41	-10.32	-18.22
Toms River, NJ	CO	Maintenance	100	-	-	0.02	0.23
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.02	0.23
Trenton, NJ	CO	Maintenance	100	-	-	0.02	0.20
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	-	0.22	2.26
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.11	1.10
Vancouver, WA	CO	Maintenance	100	-	-	0.07	0.71
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.17	1.89
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Vigo County, IN	SO _x	Maintenance	100	-	-	0.03	0.30
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.01	0.13
Warren County, NJ	SO _x	Maintenance	100	-	-	0.01	0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.05	0.48
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.35	3.56

Appendix B

Table B.1-170
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	1.21	12.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	1.18	12.03
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.05	0.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	-	0.02	0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.46	-4.74	-8.69
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.03	0.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.03	0.34
Winston-Salem, NC	CO	Maintenance	100	-	-	0.09	0.93
Worcester, MA	CO	Maintenance	100	-	-	0.05	0.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.02	0.21
Yakima, WA	CO	Maintenance	100	-	-	0.01	0.09
York, PA	Ozone	Maintenance	100	-	-	0.10	1.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.08	0.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.14	1.45
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.04	0.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.95	14.06
Albuquerque, NM	CO	Maintenance	100	-	-	0.43	6.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.12	1.70
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.44	6.49
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.07	1.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.15	2.21
Anchorage, AK	CO	Maintenance	100	-	-	0.11	1.66
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.01	0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.08
Atlanta, GA	Ozone	Moderate	50	-	-0.00	5.21	76.86
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	5.22	76.89
Atlantic City, NJ	CO	Maintenance	100	-	-	0.04	0.54
Bakersfield, CA	CO	Maintenance	100	-	-0.18	-0.10	4.30
Baltimore, MD	CO	Maintenance	100	-	-	0.01	0.11
Baltimore, MD	Ozone	Moderate	50	-	-	2.28	33.65
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	2.28	33.65
Baton Rouge, LA	Ozone	Moderate	50	-	-10.44	-26.25	-41.80
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-33.24	-85.01	-153.92
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.12	1.79
Benzie County, MI	Ozone	Maintenance	100	-	-	0.02	0.28
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.11	1.66
Billings, MT	CO	Maintenance	100	-	-5.52	-14.12	-25.48
Birmingham, AL	Ozone	Maintenance	100	-	-0.49	-0.54	8.35

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.49	-0.54	8.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.25	3.71
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.25	3.71
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.01	0.20
Boston, MA	CO	Maintenance	100	-	-0.00	0.62	9.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	3.80	56.02
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.50	7.33
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.01	0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.83	12.27
Burlington, NJ	CO	Maintenance	100	-	-	0.01	0.07
Butte, MT	PM ₁₀	Moderate	100	-	-	0.01	0.20
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.02	0.23
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.89	-2.07	-1.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.89	-2.07	-1.17
Case County, MI	Ozone	Maintenance	100	-	-	0.03	0.46
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.06
Charleston, WV	Ozone	Maintenance	100	-	-	0.19	2.78
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.19	2.78
Charlotte, NC	CO	Maintenance	100	-	-	0.58	8.51
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	1.28	18.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.39	5.80
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.36	5.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-15.47	-34.34	5.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-15.47	-34.15	8.06
Chico, CA	CO	Maintenance	100	-	-	0.10	1.42
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.21	3.13
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	1.46	21.59

Appendix B

Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	1.42	20.93
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.13
Clark County, NV	PM ₁₀	Serious	70	-	-	1.24	18.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.20	2.96
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.13	1.91
Cleveland, OH	CO	Maintenance	100	-	-	0.63	9.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	1.85	27.21
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	1.69	24.98
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.55	8.10
Colbert County, AL	SO _x	Maintenance	100	-	-	0.04	0.59
Colorado Springs, CO	CO	Maintenance	100	-	-	0.47	6.94
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.48	7.12
Columbus, OH	Ozone	Maintenance	100	-	-	1.32	19.42
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	1.23	18.06
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.63	9.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.52	7.69
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	5.57	82.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.59	8.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.52	7.64
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-6.77	-15.03	2.47
Denver-Boulder, CO	CO	Maintenance	100	-	-6.77	-15.13	0.95
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-6.77	-14.54	9.64
Detroit, MI	CO	Maintenance	100	-	-5.16	-12.16	-8.79
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-6.83	-14.12	17.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-6.83	-14.19	16.81

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.03	0.42
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.03	0.37
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.02	0.30
Duluth, MN	CO	Maintenance	100	-	-	0.06	0.83
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.01	0.10
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-12.24	-31.25	-56.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-3.70	-9.13	-12.16
El Paso, TX	CO	Maintenance	100	-	-	0.02	0.34
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.16	2.37
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.18	2.58
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.17	2.47
Evansville, IN	Ozone	Maintenance	100	-	-	0.18	2.72
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.24	3.47
Fairbanks, AK	CO	Maintenance	100	-	-	0.01	0.20
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.22	3.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.01	0.09
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.37	5.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	-	0.14	2.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.27	3.98
Franklin County, PA	Ozone	Maintenance	100	-	-	0.12	1.70
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.10	1.43
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.34	4.99

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.01	0.21
Fresno, CA	CO	Maintenance	100	-	-0.00	0.47	6.88
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.63	9.22
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.03	0.41
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.03	0.39
Great Falls, MT	CO	Maintenance	100	-	-	0.01	0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	-	1.18	17.41
Greeley, CO	CO	Maintenance	100	-	-	0.10	1.41
Green Bay, WI	SO _x	Maintenance	100	-	-	0.09	1.36
Greene County, IN	Ozone	Maintenance	100	-	-	0.04	0.53
Greene County, PA	Ozone	Maintenance	100	-	-	0.03	0.48
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	1.18	17.43
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.58	8.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.64	9.41
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.02	0.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.09	1.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.66	9.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.60	8.90
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.75	11.12
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.01	0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.03	0.47
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.03	0.43
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.12	1.83
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.21	3.08
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-50.75	-125.90	-177.88
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-6.70	-16.97	-28.73
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-6.70	-17.07	-30.22
Huron County, MI	Ozone	Maintenance	100	-	-	0.02	0.30
Imperial County, CA	Ozone	Moderate	50	-	-	0.18	2.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.18	2.58
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.02	0.35
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-	1.53	22.53
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	1.21	17.90
Jackson County, IN	Ozone	Maintenance	100	-	-	0.06	0.84
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.11	1.65
Jefferson County, NY	Ozone	Moderate	50	-	-	0.09	1.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.15	2.27
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.06	0.94
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	1.03
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.01	0.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.36	5.36
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.02	0.35
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	1.28	18.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.11	1.63
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.02	0.30
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.06	0.89
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.02	0.26
King County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.12
Klamath Falls, OR	CO	Maintenance	100	-	-	0.04	0.52

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.04	0.52
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.94	13.83
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.72	10.55
La Porte County, IN	SO _x	Maintenance	100	-	-	0.02	0.35
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.16
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.21	3.12
Lake County, OH	SO _x	Maintenance	100	-	-	0.03	0.38
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.03	0.40
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.06	0.87
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.01	0.22
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.34	4.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.34	4.98
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.35	5.17
LaPorte, IN	Ozone	Maintenance	100	-	-	0.07	0.98
Las Vegas, NV	CO	Serious	100	-	-	1.24	18.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	1.25	18.46
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.06	0.90
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.13
Lima, OH	Ozone	Maintenance	100	-	-8.50	-21.74	-39.29
Longmont, CO	CO	Maintenance	100	-	-	0.07	1.10
Lorain County, OH	SO _x	Maintenance	100	-	-	0.03	0.50

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-24.09	-49.93	60.52
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-24.09	-49.93	60.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-24.09	-49.93	60.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-24.09	-49.93	60.52
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-24.09	-49.93	60.51
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.54	8.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.81	11.97
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.78	11.48
Lowell, MA	CO	Maintenance	100	-	-0.00	0.09	1.29
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.21	3.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.04	0.62
Macon, GA	Ozone	Maintenance	100	-	-	0.14	2.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.14	2.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	-	0.20	2.91
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.01	0.13
Manchester, NH	CO	Maintenance	100	-	-	0.05	0.78
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.07	1.06
Marion County, IN	SO _x	Maintenance	100	-	-	0.22	3.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.10	1.42
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.24	3.47
Mason County, MI	Ozone	Maintenance	100	-	-	0.02	0.29
Medford, OR	CO	Maintenance	100	-	-	0.06	0.94
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.15	2.26
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.62	-6.03	-2.19
Memphis, TN	CO	Maintenance	100	-	-2.62	-6.08	-2.97
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.02	0.35

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.37	5.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	1.33	19.56
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	2.19	32.34
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	2.13	31.42
Missoula, MT	CO	Maintenance	100	-	-	0.05	0.69
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.05	0.66
Modesto, CA	CO	Maintenance	100	-	-	0.26	3.82
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.09	1.30
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	-	0.03	0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.02	0.30
Muncie, IN	Ozone	Maintenance	100	-	-	0.08	1.13
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.01	0.17
Muskegon, MI	Ozone	Maintenance	100	-	-	0.10	1.42
Nashua, NH	CO	Maintenance	100	-	-0.00	0.04	0.63
Nashville, TN	Ozone	Former Subpart 1	50	-	-	1.26	18.60
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.13	1.89
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.11	1.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.56	8.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.06
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.31	4.61
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.74	-1.37	70.32
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.77	1.24	142.98
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.77	1.14	141.55
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.03	0.46

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-9.47	-23.16	-28.15
Ogden, UT	CO	Maintenance	100	-	-	0.05	0.74
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.05	0.74
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.01	0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.09	1.27
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.10	1.51
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.10	1.52
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.02	0.23
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.07	1.02
Perth Amboy, NJ	CO	Maintenance	100	-	-1.01	-2.54	-3.86
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.26	3.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-14.69	-34.47	-22.51
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-14.73	-33.04	-0.07
Phoenix, AZ	CO	Maintenance	100	-	-0.01	4.17	61.71
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.01	4.29	63.40
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.01	4.30	63.58
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.02	0.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	1.41	20.92
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	1.29	19.10
Polk County, TN	SO _x	Maintenance	100	-	-	0.02	0.22
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.04
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.41	6.11

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.05	0.71	12.20
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.03	0.46
Poughkeepsie, NY	Ozone	Moderate	50	-	-	1.10	16.19
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.74	10.94
Provo, UT	CO	Maintenance	100	-	-	0.13	1.94
Raleigh-Durham, NC	CO	Maintenance	100	-	-	1.03	15.19
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	1.40	20.65
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.24	3.57
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.24	3.57
Reno, NV	CO	Maintenance	100	-	-	0.18	2.66
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.86	13.17
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.04	0.60
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.55	8.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.19	2.75
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.06	0.90
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.98	14.39
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.13	1.94
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.09	1.28
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	1.26	18.51
Sacramento Metro, CA	Ozone	Severe	25	-	-	2.30	33.94
Sacramento, CA	CO	Maintenance	100	-	-	1.41	20.80
Salem, OR	CO	Maintenance	100	-	-	0.09	1.39
Salt Lake City, UT	CO	Maintenance	100	-	-2.37	-5.91	-8.87

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.37	-5.30	0.23
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.78	11.49
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	1.43	21.04
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.34	4.97
San Diego, CA	CO	Maintenance	100	-	-	3.41	50.30
San Diego, CA	Ozone	Former Subpart 1	50	-	-	3.42	50.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-19.57	-45.17	-18.66
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-19.57	-44.53	-9.18
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.18	3.33	54.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.18	3.34	55.07
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.18	3.33	54.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.03	0.40
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.49	7.19
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	2.31	34.06
Sheboygan, WI	Ozone	Moderate	50	-	-	0.09	1.32
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.02	0.23
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.01	0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.33	4.86
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	0.09	1.58
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.23	3.37
Spokane, WA	CO	Maintenance	100	-	-	0.23	3.33
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.65	9.60
Springfield, MA	CO	Maintenance	100	-	-	0.11	1.60
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.60	8.84
St. Louis, MO-IL	Ozone	Moderate	50	-	-38.07	-95.58	-150.23
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-38.07	-95.60	-150.43

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.13	1.95
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.02	0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.03	0.42
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.11	0.63
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.11	0.63
Stockton, CA	CO	Maintenance	100	-	-	0.39	5.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.36	5.36
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.09	1.30
Tioga County, PA	Ozone	Maintenance	100	-	-	0.04	0.57
Toledo, OH	Ozone	Maintenance	100	-	-8.85	-22.32	-36.39
Toms River, NJ	CO	Maintenance	100	-	-	0.08	1.18
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.08	1.13
Trenton, NJ	CO	Maintenance	100	-	-	0.07	0.97
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.04
Tucson, AZ	CO	Maintenance	100	-	-	0.78	11.51
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.38	5.62
Vancouver, WA	CO	Maintenance	100	-	-	0.25	3.74
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.67	10.19
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Vigo County, IN	SO _x	Maintenance	100	-	-	0.09	1.30
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.04	0.60
Warren County, NJ	SO _x	Maintenance	100	-	-	0.03	0.40
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	0.11
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.15	2.27
Washington, DC-MD-VA	CO	Maintenance	100	-	-	1.17	17.30

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Table B.1-171
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	4.20	61.92
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	4.11	60.55
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.18	2.66
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	-	0.05	0.70
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.05	-10.33	-18.35
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Weirton, WV	SO _x	Maintenance	100	-	-	0.01	0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.10	1.46
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.10	1.46
Winston-Salem, NC	CO	Maintenance	100	-	-	0.31	4.50
Worcester, MA	CO	Maintenance	100	-	-	0.17	2.52
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.07	1.03
Yakima, WA	CO	Maintenance	100	-	-	0.03	0.46
York, PA	Ozone	Maintenance	100	-	-	0.34	4.99
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.26	3.87
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.43	6.39
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.15	2.20

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	1.38	20.86
Albuquerque, NM	CO	Maintenance	100	-	-	0.62	9.38
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.18	2.64
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.63	9.58
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.09	1.42
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.25	3.77
Anchorage, AK	CO	Maintenance	100	-	-	0.17	2.54
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.01	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.01	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.12
Atlanta, GA	Ozone	Moderate	50	-	-0.00	7.82	118.07
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	7.82	118.11
Atlantic City, NJ	CO	Maintenance	100	-	-	0.05	0.77
Bakersfield, CA	CO	Maintenance	100	-	-0.02	0.23	7.20
Baltimore, MD	CO	Maintenance	100	-	-	0.01	0.15
Baltimore, MD	Ozone	Moderate	50	-	-	3.37	50.88
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	3.37	50.88
Baton Rouge, LA	Ozone	Moderate	50	-	-1.28	-16.64	-33.06
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-4.07	-55.05	-136.29
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.16	2.41
Benzie County, MI	Ozone	Maintenance	100	-	-	0.03	0.46
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.17	2.52
Billings, MT	CO	Maintenance	100	-	-0.68	-9.14	-22.47
Birmingham, AL	Ozone	Maintenance	100	-	-0.06	0.19	13.19

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.06	0.19	13.24
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.38	5.68
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.38	5.68
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.02	0.33
Boston, MA	CO	Maintenance	100	-	-0.00	0.89	13.37
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	5.49	82.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.73	11.07
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.01	0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	1.17	17.68
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	-	0.02	0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.03	0.38
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.11	-1.20	0.50
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.11	-1.20	0.50
Case County, MI	Ozone	Maintenance	100	-	-	0.04	0.66
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.01	0.08
Charleston, WV	Ozone	Maintenance	100	-	-	0.25	3.78
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.25	3.78
Charlotte, NC	CO	Maintenance	100	-	-	0.87	13.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	1.90	28.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.55	8.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.51	7.75
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1.89	-17.94	52.57
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1.89	-17.67	56.58
Chico, CA	CO	Maintenance	100	-	-	0.16	2.44
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.34	5.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	2.11	31.93

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Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	2.05	30.89
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.16
Clark County, NV	PM ₁₀	Serious	70	-	-	1.94	29.22
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.30	4.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.18	2.75
Cleveland, OH	CO	Maintenance	100	-	-	0.82	12.42
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	2.58	38.99
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	2.36	35.65
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.89	13.37
Colbert County, AL	SO _x	Maintenance	100	-	-	0.05	0.78
Colorado Springs, CO	CO	Maintenance	100	-	-	0.72	10.87
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.01	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.70	10.58
Columbus, OH	Ozone	Maintenance	100	-	-	1.99	30.00
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	1.85	27.94
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.00	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.82	12.42
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.71	10.71
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	8.52	128.65
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.81	12.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.71	10.72
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-0.83	-7.73	24.84
Denver-Boulder, CO	CO	Maintenance	100	-	-0.83	-7.89	22.45
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-0.83	-7.00	35.98
Detroit, MI	CO	Maintenance	100	-	-0.67	-7.82	-3.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-0.84	-6.50	44.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-0.84	-6.59	43.16

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Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.04	0.64
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.04	0.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.03	0.44
Duluth, MN	CO	Maintenance	100	-	-	0.08	1.16
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.01	0.16
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1.50	-20.21	-49.32
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-0.45	-5.63	-7.64
El Paso, TX	CO	Maintenance	100	-	-	0.03	0.49
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.22	3.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.26	3.90
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.25	3.75
Evansville, IN	Ozone	Maintenance	100	-	-	0.26	3.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.33	4.98
Fairbanks, AK	CO	Maintenance	100	-	-	0.02	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.31	4.73
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.01	0.14
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.52	7.87
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	-	0.22	3.31
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.39	5.87
Franklin County, PA	Ozone	Maintenance	100	-	-	0.17	2.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.14	2.12
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.53	7.94

Appendix B

Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.02	0.37
Fresno, CA	CO	Maintenance	100	-	-0.00	0.70	10.63
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.93	14.04
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.04	0.54
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.04	0.62
Great Falls, MT	CO	Maintenance	100	-	-	0.02	0.24
Greater Connecticut, CT	Ozone	Moderate	50	-	-	1.65	24.98
Greeley, CO	CO	Maintenance	100	-	-	0.14	2.17
Green Bay, WI	SO _x	Maintenance	100	-	-	0.13	2.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.05	0.77
Greene County, PA	Ozone	Maintenance	100	-	-	0.04	0.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	1.68	25.33
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.81	12.30
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.89	13.40
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.02	0.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.12	1.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.97	14.64
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.89	13.49
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	1.04	15.74
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.01	0.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.05	0.75
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.01	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.04	0.64
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.17	2.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.29	4.40
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.03

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6.21	-78.27	-120.94
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.82	-10.88	-24.30
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.82	-11.02	-26.45
Huron County, MI	Ozone	Maintenance	100	-	-	0.03	0.42
Imperial County, CA	Ozone	Moderate	50	-	-	0.28	4.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.27	4.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.03	0.49
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-	2.26	34.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	1.79	27.10
Jackson County, IN	Ozone	Maintenance	100	-	-	0.08	1.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.16	2.37
Jefferson County, NY	Ozone	Moderate	50	-	-	0.13	1.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.21	3.22
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.08	1.18
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.09	1.30
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.01	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.51	7.73
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.04	0.54
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	1.89	28.48
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.16	2.48
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.03	0.48
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.09	1.28
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.02	0.37
King County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.18
Klamath Falls, OR	CO	Maintenance	100	-	-	0.05	0.74

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.05	0.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	1.42	21.48
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	1.07	16.20
La Porte County, IN	SO _x	Maintenance	100	-	-	0.03	0.48
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.02	0.24
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.29	4.34
Lake County, OH	SO _x	Maintenance	100	-	-	0.04	0.54
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.05	0.68
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.10	1.55
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.02	0.31
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.49	7.42
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.49	7.42
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.50	7.58
LaPorte, IN	Ozone	Maintenance	100	-	-	0.09	1.34
Las Vegas, NV	CO	Serious	100	-	-	1.94	29.22
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	1.96	29.52
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.08	1.26
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.03
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.01	0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.16
Lima, OH	Ozone	Maintenance	100	-	-1.04	-14.07	-34.75
Longmont, CO	CO	Maintenance	100	-	-	0.12	1.76
Lorain County, OH	SO _x	Maintenance	100	-	-	0.05	0.73

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-2.95	-22.37	165.74
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-2.95	-22.37	165.74
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-2.95	-22.37	165.74
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-2.95	-22.37	165.74
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-2.95	-22.37	165.73
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.82	12.40
Louisville, KY-IN	Ozone	Maintenance	100	-	-	1.14	17.21
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	1.08	16.37
Lowell, MA	CO	Maintenance	100	-	-0.00	0.13	1.99
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.28	4.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.05	0.87
Macon, GA	Ozone	Maintenance	100	-	-	0.19	2.88
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.19	2.84
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.04
Madison, WI	SO _x	Maintenance	100	-	-	0.31	4.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.02	0.24
Manchester, NH	CO	Maintenance	100	-	-	0.07	1.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.10	1.50
Marion County, IN	SO _x	Maintenance	100	-	-	0.30	4.49
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.16	2.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.34	5.11
Mason County, MI	Ozone	Maintenance	100	-	-	0.03	0.43
Medford, OR	CO	Maintenance	100	-	-	0.10	1.51
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.24	3.66
Memphis, TN-AR	Ozone	Maintenance	100	-	-0.32	-3.42	3.17
Memphis, TN	CO	Maintenance	100	-	-0.32	-3.49	2.13
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.04	0.55

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.51	7.77
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	1.92	29.00
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	3.23	48.82
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	3.14	47.39
Missoula, MT	CO	Maintenance	100	-	-	0.07	1.03
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.07	1.00
Modesto, CA	CO	Maintenance	100	-	-	0.41	6.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.14	2.12
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.05
Morristown, NJ	CO	Maintenance	100	-	-	0.04	0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.03	0.41
Muncie, IN	Ozone	Maintenance	100	-	-	0.10	1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.01	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.02	0.25
Muskegon, MI	Ozone	Maintenance	100	-	-	0.14	2.09
Nashua, NH	CO	Maintenance	100	-	-0.00	0.06	0.84
Nashville, TN	Ozone	Former Subpart 1	50	-	-	1.88	28.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.21	3.23
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.17	2.62
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.78	11.74
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.01	0.09
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.42	6.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-0.33	3.41	108.67
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.46	9.33	219.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.46	9.18	217.46
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.05	0.69

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-1.16	-14.17	-15.91
Ogden, UT	CO	Maintenance	100	-	-	0.07	1.06
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.07	1.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.02	0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.13	1.98
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.14	2.13
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.14	2.15
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.02	0.35
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.09	1.44
Perth Amboy, NJ	CO	Maintenance	100	-	-0.12	-1.59	-2.73
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.35	5.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.80	-19.96	5.62
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.80	-17.82	38.74
Phoenix, AZ	CO	Maintenance	100	-	-0.00	6.89	104.21
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	7.07	106.86
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	7.09	107.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.03	0.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	1.96	29.70
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	1.79	27.11
Polk County, TN	SO _x	Maintenance	100	-	-	0.02	0.32
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.06
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.59	8.98

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.01	1.11	17.91
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.04	0.65
Poughkeepsie, NY	Ozone	Moderate	50	-	-	1.69	25.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.01	0.13
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	1.09	16.38
Provo, UT	CO	Maintenance	100	-	-	0.20	3.05
Raleigh-Durham, NC	CO	Maintenance	100	-	-	1.56	23.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	2.12	32.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.34	5.19
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.34	5.19
Reno, NV	CO	Maintenance	100	-	-	0.26	3.92
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	1.26	19.32
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.06	0.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.89	13.37
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.26	3.91
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.09	1.35
Rochester, NY	Ozone	Former Subpart 1	50	-	-	1.39	20.95
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.18	2.74
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.12	1.84
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	1.99	30.07
Sacramento Metro, CA	Ozone	Severe	25	-	-	3.70	55.80
Sacramento, CA	CO	Maintenance	100	-	-	2.24	33.85
Salem, OR	CO	Maintenance	100	-	-	0.13	2.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.29	-3.71	-6.52

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.29	-2.81	7.15
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	1.14	17.28
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	2.12	32.00
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.50	7.54
San Diego, CA	CO	Maintenance	100	-	-	5.33	80.49
San Diego, CA	Ozone	Former Subpart 1	50	-	-	5.34	80.65
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.40	-24.99	31.91
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.40	-24.06	45.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.02	5.67	89.23
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.02	5.68	89.43
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.02	5.67	89.23
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.04	0.63
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.69	10.48
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	3.45	52.03
Sheboygan, WI	Ozone	Moderate	50	-	-	0.13	1.99
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.02	0.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.02	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.47	7.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.12	1.87
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.34	5.12
Spokane, WA	CO	Maintenance	100	-	-	0.34	5.06
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.93	13.98
Springfield, MA	CO	Maintenance	100	-	-	0.16	2.46
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.77	11.58
St. Louis, MO-IL	Ozone	Moderate	50	-	-4.66	-60.60	-119.27
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-4.66	-60.62	-119.56

Appendix B

Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.20	2.99
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.03	0.39
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.04	0.57
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.03	0.99
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	0.99
Stockton, CA	CO	Maintenance	100	-	-	0.63	9.54
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.50	7.59
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.11	1.73
Tioga County, PA	Ozone	Maintenance	100	-	-	0.05	0.79
Toledo, OH	Ozone	Maintenance	100	-	-1.08	-14.23	-29.81
Toms River, NJ	CO	Maintenance	100	-	-	0.13	1.91
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.11	1.70
Trenton, NJ	CO	Maintenance	100	-	-	0.10	1.45
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.06
Tucson, AZ	CO	Maintenance	100	-	-	1.18	17.82
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.58	8.70
Vancouver, WA	CO	Maintenance	100	-	-	0.39	5.93
Ventura County, CA	Ozone	Serious	50	-	-0.00	1.07	16.43
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.01	0.10
Vigo County, IN	SO _x	Maintenance	100	-	-	0.11	1.73
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.06	0.88
Warren County, NJ	SO _x	Maintenance	100	-	-	0.04	0.59
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	0.00	0.16
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.22	3.28
Washington, DC-MD-VA	CO	Maintenance	100	-	-	1.76	26.57

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Table B.1-172
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	6.31	95.20
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	6.16	93.00
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.26	3.92
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.06
Wayne County, IN	SO _x	Maintenance	100	-	-	0.06	0.93
Wayne County, MI	PM ₁₀	Maintenance	100	-	-0.52	-6.91	-16.08
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.01	0.10
Weirton, WV	SO _x	Maintenance	100	-	-	0.01	0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.13	1.94
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.13	1.94
Winston-Salem, NC	CO	Maintenance	100	-	-	0.44	6.67
Worcester, MA	CO	Maintenance	100	-	-	0.26	3.97
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.10	1.53
Yakima, WA	CO	Maintenance	100	-	-	0.05	0.76
York, PA	Ozone	Maintenance	100	-	-	0.50	7.54
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.39	5.83
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.58	8.70
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.23	3.47

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.08	0.49
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.04	0.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.04	0.23
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.42	2.51
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.42	2.51
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.00	0.10
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.19	1.13
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.19	1.13
Baton Rouge, LA	Ozone	Moderate	50	-	-0.39	-0.64	-1.19
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.41	-2.39	-4.95
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.06
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.07	0.39

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.02	0.12
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.02	0.12
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.01	0.05	0.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.33	1.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.04	0.25
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.07	0.44
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.02	0.11
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.11
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.02	0.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.11
Charlotte, NC	CO	Maintenance	100	-	0.01	0.05	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.10	0.62
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.07	0.43	2.62
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.08	0.44	2.72
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.13	0.75

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.12	0.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.09	0.55
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.02	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Cleveland, OH	CO	Maintenance	100	-	0.01	0.06	0.37
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.17	0.99
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.15	0.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.23
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.04	0.22
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.04	0.25
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.11	0.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.58
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.06	0.37
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.05	0.30
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.08	0.43	2.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.05	0.32
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.19	1.11
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.18	1.07
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.04	0.23	1.34
Detroit, MI	CO	Maintenance	100	-	0.02	0.10	0.62
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	0.30	1.77
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	0.29	1.73

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.03	0.18
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.02	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.11
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.03	0.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.02	0.14
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.03	0.15

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.04	0.22
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.05	0.31
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.11	0.63
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.10	0.62
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.06	0.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.04
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.05	0.32
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.07	0.41
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.11
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3.92	-6.45	-12.30
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.00	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.13	0.76
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.10	0.60
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.03	0.19
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.11	0.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.05
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.07	0.44
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.34
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.12
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.17
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.17
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.03	0.18
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Las Vegas, NV	CO	Serious	100	-	0.02	0.09	0.55
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.09	0.56
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-173
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.16	0.93	5.65
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.16	0.93	5.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.16	0.93	5.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.16	0.93	5.65
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.93	5.65
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.04	0.26
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.07	0.43
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.42
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.02	0.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.02	0.09
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.12
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.12
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.06	0.38
Memphis, TN	CO	Maintenance	100	-	0.01	0.05	0.34
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.03	0.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.11	0.68
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.03	0.07	0.85
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.18	1.06
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.02	0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.00	0.07	0.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.05	0.30
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.03	0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.10	0.51	3.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.18	0.95	5.68
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.18	0.95	5.63
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.10	0.60
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.03	0.15
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.46	-0.60	-0.17
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.44	-0.46	0.63
Phoenix, AZ	CO	Maintenance	100	-	0.05	0.28	1.67
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	0.29	1.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	0.29	1.73
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.13	0.77
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.12	0.71
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.04	0.21

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.06	0.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.08	0.51
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.06	0.37
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.08	0.49
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.11	0.66
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.02	0.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Reno, NV	CO	Maintenance	100	-	0.00	0.02	0.09
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.08	0.47
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.04	0.23
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.09	0.51
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.09	0.54
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.16	0.97
Sacramento, CA	CO	Maintenance	100	-	0.02	0.10	0.60
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	0.01	0.07

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.06	0.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.07	0.39
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.12	0.70
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.16
San Diego, CA	CO	Maintenance	100	-	0.05	0.26	1.52
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.26	1.53
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.57	-0.71	0.04
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.56	-0.65	0.36
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.03	0.25	1.59
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.25	1.60
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.03	0.25	1.59
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.04	0.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.14	1.03
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.03	0.17
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.11
Spokane, WA	CO	Maintenance	100	-	0.00	0.02	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.06	0.34
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.05
St. Louis, MO	CO	Maintenance	100	-	0.01	0.06	0.36
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	0.19	1.14
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	0.19	1.14

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.03	0.17
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.03	0.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.04	0.21
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.06	0.37
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.03	0.18
Vancouver, WA	CO	Maintenance	100	-	0.00	0.02	0.11
Ventura County, CA	Ozone	Serious	50	-	0.01	0.05	0.31
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.10	0.60

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.06	0.34	2.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.06	0.33	1.98
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.02	0.09
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.03	0.16
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.17
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.04	0.25
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.22	1.74
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.10	0.80
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.10	0.81
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	0.14
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.23
Anchorage, AK	CO	Maintenance	100	-	0.00	0.02	0.19
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.16	1.16	9.14
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	1.16	9.15
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.07
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.01	0.46
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.52	4.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.52	4.08
Baton Rouge, LA	Ozone	Moderate	50	-	-0.93	-1.69	-2.28
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.30	-6.29	-10.87
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.03	0.25
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.03	0.20
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.17	1.38

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.18	1.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.06	0.44
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.06	0.44
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.02	0.15	1.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.88	6.97
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.11	0.89
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.20	1.57
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.05	0.40
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.40
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.05	0.38
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.38
Charlotte, NC	CO	Maintenance	100	-	0.02	0.13	1.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.28	2.25
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.09	0.74
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.09	0.68
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.14	1.16	9.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	1.20	9.86
Chico, CA	CO	Maintenance	100	-	0.00	0.02	0.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.34
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.34	2.69

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.33	2.61
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.26	2.05
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.04	0.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.03	0.25
Cleveland, OH	CO	Maintenance	100	-	0.02	0.16	1.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.44	3.51
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.41	3.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.11	0.87
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.08
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.10	0.81
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.11	0.89
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.29	2.29
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.27	2.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.16	1.28
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.13	1.04
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	1.20	9.52
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.14	1.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.13	1.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.51	4.07
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.49	3.90
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.09	0.62	4.91
Detroit, MI	CO	Maintenance	100	-	0.04	0.27	2.17
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.11	0.80	6.31
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.11	0.78	6.19

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Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.11
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.04	0.28
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.08	0.66
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.04
Erie, PA	Ozone	Maintenance	100	-	0.01	0.04	0.31
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.04	0.31
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.04	0.30
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.04	0.35
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.44
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	0.40
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.01	0.09	0.71
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.03	0.24
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.06	0.50
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.07	0.57

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Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.01	0.10	0.80
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.14	1.11
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.28	2.24
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	0.17
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	0.17
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.28	2.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.14	1.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.15	1.22
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	0.16
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.15	1.17
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.14	1.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.18	1.45
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.05
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.24
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.05	0.40
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-9.22	-16.96	-24.53
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.03	0.38
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	0.01	0.19
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.04	0.30
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.29
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.35	2.73
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.27	2.17
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	0.21
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	0.17
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.30
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.02	0.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.15
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.09	0.69
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.29	2.27
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.02	0.20
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.11
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.07

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Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.20	1.62
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.16	1.25
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.41
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.05
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.08	0.61
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.61
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.08	0.65
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.13
Las Vegas, NV	CO	Serious	100	-	0.04	0.26	2.05
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.26	2.08
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	0.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.00	0.02	0.15
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.12
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.32	2.54	20.67
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.32	2.54	20.67
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.32	2.54	20.67
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.32	2.54	20.67
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.32	2.54	20.67
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.12	0.94
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.19	1.54
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.19	1.49
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	0.15
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.05	0.41
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Macon, GA	Ozone	Maintenance	100	-	0.01	0.04	0.29
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.28
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.04	0.33
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.14
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.05	0.43
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.43
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.25
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.16	1.33
Memphis, TN	CO	Maintenance	100	-	0.01	0.14	1.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.09	0.72
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.31	2.43
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.09	0.20	3.39
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.48	3.82
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.08
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Modesto, CA	CO	Maintenance	100	-	0.01	0.05	0.42
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	0.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.02	0.18
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.08
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	0.19	2.06
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.19
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.02	0.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.14	1.07
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.08	0.62
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.19	1.35	10.66
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.36	2.56	20.25
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.36	2.54	20.08
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.27	2.14
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.10
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.15
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	0.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.02	0.14
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.07	0.53
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.11	-1.57	1.86
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.06	-1.21	4.70
Phoenix, AZ	CO	Maintenance	100	-	0.11	0.81	6.43
Phoenix, AZ	PM ₁₀	Serious	70	-	0.12	0.84	6.62
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.12	0.84	6.64
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.34	2.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.32	2.49
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.10	0.76

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.16	1.50
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.24	1.86
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.17	1.34
Provo, UT	CO	Maintenance	100	-	0.00	0.03	0.22
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.22	1.78
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.31	2.43
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.06	0.45
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.45
Reno, NV	CO	Maintenance	100	-	0.01	0.04	0.33
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.21	1.67
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.11	0.87
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.36
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.11
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.23	1.82
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.03	0.25
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.16
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.26	2.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.46	3.67
Sacramento, CA	CO	Maintenance	100	-	0.04	0.29	2.28
Salem, OR	CO	Maintenance	100	-	0.00	0.02	0.18
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	0.02	0.26

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.16	1.37
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.18	1.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.32	2.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.07	0.59
San Diego, CA	CO	Maintenance	100	-	0.10	0.72	5.67
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.72	5.68
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.37	-1.81	3.49
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.35	-1.67	4.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	0.70	6.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	0.71	6.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	0.70	6.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.12	0.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.40	3.86
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	0.16
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.08	0.62
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.24
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.05	0.40
Spokane, WA	CO	Maintenance	100	-	0.01	0.05	0.40
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.15	1.22
Springfield, MA	CO	Maintenance	100	-	0.00	0.02	0.20
St. Louis, MO	CO	Maintenance	100	-	0.02	0.16	1.25
St. Louis, MO-IL	Ozone	Moderate	50	-	0.07	0.51	4.03
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.07	0.51	4.00

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.03	0.23
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.02	0.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Stockton, CA	CO	Maintenance	100	-	0.01	0.08	0.63
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.09	0.70
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	0.18
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.09	0.75
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	0.14
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.14
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.12
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.17	1.35
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.08	0.66
Vancouver, WA	CO	Maintenance	100	-	0.01	0.05	0.42
Ventura County, CA	Ozone	Serious	50	-	0.02	0.14	1.15
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.18
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.05
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.04	0.29
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.27	2.13

Appendix B

Table B.1-174
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.93	7.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.91	7.20
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.04	0.33
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.20
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.07	0.56
Worcester, MA	CO	Maintenance	100	-	0.01	0.04	0.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.13
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.05
York, PA	Ozone	Maintenance	100	-	0.01	0.08	0.61
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.47
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.11	0.87
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.25

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.12	0.78	8.18
Albuquerque, NM	CO	Maintenance	100	-	0.05	0.36	3.72
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.09	0.99
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.36	3.78
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.06	0.60
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.12	1.29
Anchorage, AK	CO	Maintenance	100	-	0.01	0.09	0.97
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Atlanta, GA	Ozone	Moderate	50	-	0.64	4.28	44.73
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.64	4.28	44.74
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.03	0.32
Bakersfield, CA	CO	Maintenance	100	-	-0.03	0.11	2.68
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.06
Baltimore, MD	Ozone	Moderate	50	-	0.28	1.87	19.58
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.28	1.87	19.58
Baton Rouge, LA	Ozone	Moderate	50	-	-1.48	-3.51	-2.36
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.39	-13.59	-21.82
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.10	1.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.16
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.09	0.96
Billings, MT	CO	Maintenance	100	-	0.01	0.04	0.46
Birmingham, AL	Ozone	Maintenance	100	-	0.09	0.60	6.22

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.09	0.60	6.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.21	2.16
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.21	2.16
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Boston, MA	CO	Maintenance	100	-	0.08	0.51	5.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.47	3.12	32.60
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.06	0.41	4.26
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.10	0.68	7.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.14
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.17	1.78
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.17	1.78
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.27
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.15	1.62
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.15	1.62
Charlotte, NC	CO	Maintenance	100	-	0.07	0.47	4.95
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.16	1.05	10.94
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.32	3.38
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.04	0.30	3.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.61	4.27	45.71
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.63	4.41	47.27
Chico, CA	CO	Maintenance	100	-	0.01	0.08	0.83
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.17	1.82
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.18	1.20	12.56

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.17	1.16	12.17
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Clark County, NV	PM ₁₀	Serious	70	-	0.15	1.01	10.61
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.16	1.72
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.11	1.11
Cleveland, OH	CO	Maintenance	100	-	0.08	0.52	5.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.23	1.51	15.83
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.21	1.39	14.54
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.45	4.71
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.03	0.34
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.39	4.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	0.06	0.40	4.14
Columbus, OH	Ozone	Maintenance	100	-	0.16	1.08	11.30
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.15	1.01	10.51
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.08	0.52	5.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.06	0.43	4.48
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.69	4.57	47.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.07	0.48	5.04
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.43	4.44
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.29	1.93	20.18
Denver-Boulder, CO	CO	Maintenance	100	-	0.28	1.85	19.30
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.35	2.33	24.35
Detroit, MI	CO	Maintenance	100	-	0.13	0.88	9.15
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.42	2.80	29.24
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.41	2.74	28.69

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Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.24
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.02	0.22
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.18
Duluth, MN	CO	Maintenance	100	-	0.01	0.05	0.48
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.12	1.24
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.30	3.17
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.20
Erie, PA	Ozone	Maintenance	100	-	0.02	0.13	1.38
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.14	1.50
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.14	1.44
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.15	1.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.19	2.02
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.12
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.18	1.87
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Flint, MI	Ozone	Maintenance	100	-	0.05	0.31	3.19
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.12	1.22
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.03	0.22	2.32
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.09	0.99
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.08	0.83
Fredericksburg, VA	Ozone	Maintenance	100	-	0.04	0.28	2.90

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Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.13
Fresno, CA	CO	Maintenance	100	-	0.06	0.38	4.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.51	5.36
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.23
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	0.15	0.97	10.13
Greeley, CO	CO	Maintenance	100	-	0.01	0.08	0.82
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.08	0.79
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.03	0.31
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.28
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.15	0.97	10.14
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.07	0.48	4.97
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.08	0.52	5.48
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.14
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.07	0.73
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.08	0.54	5.62
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.07	0.50	5.18
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.09	0.62	6.47
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.27
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.02	0.25
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.10	1.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.17	1.79
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-14.77	-35.46	-31.47
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.13	1.74
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.05	0.87
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.17
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.15	1.54
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.14	1.50
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.20
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.19	1.25	13.11
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.15	1.00	10.41
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.05	0.49
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.09	0.96
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.07	0.77
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.13	1.32
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.05	0.55
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.60
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.04	0.30	3.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.20
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.16	1.05	10.94
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.09	0.95
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.17
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.52
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.15
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.03	0.30

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Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.30
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.12	0.77	8.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.09	0.59	6.14
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.20
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.17	1.82
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.02	0.22
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.02	0.23
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.05	0.50
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.13
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.28	2.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.28	2.90
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.29	3.01
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.05	0.57
Las Vegas, NV	CO	Serious	100	-	0.15	1.01	10.61
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.15	1.03	10.74
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.05	0.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Lima, OH	Ozone	Maintenance	100	-	0.01	0.06	0.66
Longmont, CO	CO	Maintenance	100	-	0.01	0.06	0.64
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.29

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Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.39	9.55	101.52
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.39	9.55	101.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.39	9.55	101.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.39	9.55	101.52
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.39	9.55	101.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.45	4.66
Louisville, KY-IN	Ozone	Maintenance	100	-	0.10	0.67	6.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.64	6.68
Lowell, MA	CO	Maintenance	100	-	0.01	0.07	0.75
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.17	1.77
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.04	0.37
Macon, GA	Ozone	Maintenance	100	-	0.02	0.12	1.23
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.12	1.21
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.02	0.16	1.70
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Manchester, NH	CO	Maintenance	100	-	0.01	0.04	0.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.06	0.62
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.18	1.87
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.08	0.83
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.19	2.02
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.17
Medford, OR	CO	Maintenance	100	-	0.01	0.05	0.55
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.13	1.32
Memphis, TN-AR	Ozone	Maintenance	100	-	0.07	0.54	5.93
Memphis, TN	CO	Maintenance	100	-	0.07	0.50	5.47
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.20

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.30	3.19
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.16	1.09	11.38
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	1.15	17.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.26	1.75	18.28
Missoula, MT	CO	Maintenance	100	-	0.01	0.04	0.40
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.04	0.39
Modesto, CA	CO	Maintenance	100	-	0.03	0.21	2.22
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.07	0.75
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.00	0.02	0.23
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.17
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.06	0.66
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.10
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.08	0.82
Nashua, NH	CO	Maintenance	100	-	0.01	0.03	0.36
Nashville, TN	Ozone	Former Subpart 1	50	-	0.08	0.83	10.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.11	1.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.09	0.95
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.07	0.46	4.80
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.04
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.26	2.68
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.70	4.64	48.49
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.35	8.96	93.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.34	8.88	92.80
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.27

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.14	0.94	9.84
Ogden, UT	CO	Maintenance	100	-	0.01	0.04	0.43
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.43
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.07	0.74
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.08	0.88
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.88
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.06	0.60
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.05	0.56
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.03	0.22	2.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.59	-2.43	18.66
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.40	-1.17	31.83
Phoenix, AZ	CO	Maintenance	100	-	0.52	3.44	35.92
Phoenix, AZ	PM ₁₀	Serious	70	-	0.53	3.53	36.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.53	3.54	37.02
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.02	0.17
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.18	1.17	12.18
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.16	1.06	11.13
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.13
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.05	0.34	3.56

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.07	0.60	7.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.27
Poughkeepsie, NY	Ozone	Moderate	50	-	0.14	0.90	9.42
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	0.09	0.61	6.36
Provo, UT	CO	Maintenance	100	-	0.02	0.11	1.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.13	0.85	8.84
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.17	1.15	12.01
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.03	0.20	2.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.20	2.08
Reno, NV	CO	Maintenance	100	-	0.02	0.15	1.55
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.11	0.74	7.71
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.35
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.45	4.71
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.15	1.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.05	0.52
Rochester, NY	Ozone	Former Subpart 1	50	-	0.12	0.80	8.37
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.11	1.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.07	0.74
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.16	1.03	10.77
Sacramento Metro, CA	Ozone	Severe	25	-	0.28	1.89	19.75
Sacramento, CA	CO	Maintenance	100	-	0.17	1.16	12.10
Salem, OR	CO	Maintenance	100	-	0.01	0.08	0.81
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.10	1.33

Appendix B

**Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.08	0.61	6.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.10	0.64	6.69
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.18	1.17	12.24
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.28	2.89
San Diego, CA	CO	Maintenance	100	-	0.42	2.80	29.27
San Diego, CA	Ozone	Former Subpart 1	50	-	0.42	2.81	29.33
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.87	-2.20	32.19
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.79	-1.67	37.70
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.40	2.92	32.12
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.40	2.93	32.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.40	2.92	32.12
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.23
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.06	0.40	4.19
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.19	1.64	19.38
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.07	0.77
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	0.13
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.11
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.27	2.83
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.09	0.94
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.19	1.96
Spokane, WA	CO	Maintenance	100	-	0.03	0.19	1.94
Springfield (western MA), MA	Ozone	Moderate	50	-	0.08	0.53	5.59
Springfield, MA	CO	Maintenance	100	-	0.01	0.09	0.93
St. Louis, MO	CO	Maintenance	100	-	0.07	0.49	5.14
St. Louis, MO-IL	Ozone	Moderate	50	-	0.26	1.71	17.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.26	1.70	17.80

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.11	1.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.14
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.02	0.25
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.05	0.55
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.05	0.55
Stockton, CA	CO	Maintenance	100	-	0.05	0.32	3.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.04	0.30	3.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.07	0.75
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.33
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.32	3.32
Toms River, NJ	CO	Maintenance	100	-	0.01	0.07	0.69
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.06	0.66
Trenton, NJ	CO	Maintenance	100	-	0.01	0.05	0.56
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.10	0.64	6.70
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.31	3.27
Vancouver, WA	CO	Maintenance	100	-	0.03	0.21	2.18
Ventura County, CA	Ozone	Serious	50	-	0.09	0.57	5.96
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.07	0.75
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.03	0.35
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.02	0.23
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.13	1.32
Washington, DC-MD-VA	CO	Maintenance	100	-	0.14	0.96	10.07

Appendix B

Table B.1-175
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.52	3.45	36.03
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.51	3.37	35.23
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.15	1.55
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.04	0.41
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.05	0.53
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.08	0.85
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.08	0.85
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.25	2.62
Worcester, MA	CO	Maintenance	100	-	0.02	0.14	1.47
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.06	0.60
Yakima, WA	CO	Maintenance	100	-	0.00	0.03	0.27
York, PA	Ozone	Maintenance	100	-	0.04	0.28	2.91
York, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.22	2.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.05	0.36	3.72
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.12	1.28

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	1.00	11.91
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.45	5.35
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.13	1.51
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.46	5.47
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.07	0.81
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.18	2.15
Anchorage, AK	CO	Maintenance	100	-	0.00	0.12	1.45
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Atlanta, GA	Ozone	Moderate	50	-	0.06	5.66	67.42
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	5.66	67.44
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.04	0.44
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.27	4.27
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.09
Baltimore, MD	Ozone	Moderate	50	-	0.03	2.44	29.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	2.44	29.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.18	-1.99	0.54
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.66	-8.65	-17.92
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.12	1.38
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.26
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.12	1.44
Billings, MT	CO	Maintenance	100	-	0.00	0.06	0.66
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.73	8.73

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.74	8.77
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.27	3.25
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.27	3.25
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.02	0.19
Boston, MA	CO	Maintenance	100	-	0.01	0.64	7.64
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.04	3.97	47.36
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.53	6.32
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	0.00	0.06
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.85	10.10
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.15
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.21	2.45
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.21	2.45
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.38
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.18	2.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.18	2.16
Charlotte, NC	CO	Maintenance	100	-	0.01	0.63	7.51
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	1.38	16.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.40	4.78
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.37	4.43
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	5.61	67.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.06	5.80	69.89
Chico, CA	CO	Maintenance	100	-	0.00	0.12	1.39
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.24	2.91
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	1.53	18.22

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	1.48	17.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Clark County, NV	PM ₁₀	Serious	70	-	0.02	1.40	16.68
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.22	2.58
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.13	1.57
Cleveland, OH	CO	Maintenance	100	-	0.01	0.60	7.09
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	1.87	22.26
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	1.71	20.36
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.64	7.63
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.04	0.45
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.52	6.21
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.51	6.04
Columbus, OH	Ozone	Maintenance	100	-	0.02	1.44	17.13
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	1.34	15.95
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.60	7.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.51	6.12
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.07	6.17	73.46
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.58	6.97
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.51	6.12
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	2.58	30.73
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	2.46	29.36
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	3.11	37.09
Detroit, MI	CO	Maintenance	100	-	0.01	0.93	11.06
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	3.53	42.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	3.47	41.32

Appendix B

**Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.30
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.25
Duluth, MN	CO	Maintenance	100	-	0.00	0.06	0.66
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.14	1.73
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.39	4.68
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.28
Erie, PA	Ozone	Maintenance	100	-	0.00	0.16	1.92
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.19	2.23
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.18	2.14
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.19	2.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.24	2.84
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.02	0.18
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.23	2.70
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Flint, MI	Ozone	Maintenance	100	-	0.00	0.38	4.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.16	1.89
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.28	3.35
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.12	1.46
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.10	1.21
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.38	4.54

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.02	0.21
Fresno, CA	CO	Maintenance	100	-	0.01	0.51	6.07
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.67	8.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.31
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.36
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.14
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	1.20	14.26
Greeley, CO	CO	Maintenance	100	-	0.00	0.10	1.24
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.10	1.15
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.04	0.44
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.39
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	1.21	14.46
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.59	7.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.64	7.65
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.20
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.09	1.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.70	8.36
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.65	7.70
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.75	8.99
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.04	0.43
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.03	0.37
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.12	1.47
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.21	2.51
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.72	-19.29	-2.04
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.18	2.42
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.08	1.19
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.24
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.20	2.40
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.20	2.35
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.28
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	1.63	19.44
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	1.30	15.47
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.06	0.69
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	1.35
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.09	1.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.15	1.84
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.06	0.67
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.74
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.37	4.41
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.03	0.31
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	1.37	16.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.12	1.41
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.27
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.06	0.73
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.21
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.04	0.42

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Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.42
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	1.03	12.27
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.78	9.25
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.21	2.48
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.31
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.03	0.39
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.07	0.88
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.18
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.36	4.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.36	4.24
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.36	4.33
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.06	0.77
Las Vegas, NV	CO	Serious	100	-	0.02	1.40	16.68
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	1.41	16.85
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.06	0.72
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Lima, OH	Ozone	Maintenance	100	-	0.00	0.08	0.92
Longmont, CO	CO	Maintenance	100	-	0.00	0.08	1.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.04	0.42

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Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	12.75	153.16
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	12.75	153.16
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	12.75	153.16
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	12.75	153.16
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	12.75	153.16
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.59	7.08
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.82	9.83
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.78	9.35
Lowell, MA	CO	Maintenance	100	-	0.00	0.10	1.14
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.20	2.40
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.04	0.50
Macon, GA	Ozone	Maintenance	100	-	0.00	0.14	1.64
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.14	1.62
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.00	0.22	2.64
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Manchester, NH	CO	Maintenance	100	-	0.00	0.05	0.59
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.07	0.86
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.22	2.57
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.11	1.34
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.24	2.92
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.25
Medford, OR	CO	Maintenance	100	-	0.00	0.07	0.86
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.18	2.09
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.67	8.17
Memphis, TN	CO	Maintenance	100	-	0.01	0.62	7.57
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.32

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Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.37	4.44
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	1.39	16.56
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	1.92	26.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	2.27	27.06
Missoula, MT	CO	Maintenance	100	-	0.00	0.05	0.59
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.05	0.57
Modesto, CA	CO	Maintenance	100	-	0.00	0.29	3.51
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.10	1.21
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	0.03	0.37
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.23
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.07	0.85
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.10	1.20
Nashua, NH	CO	Maintenance	100	-	0.00	0.04	0.48
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	1.23	15.88
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.15	1.85
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.13	1.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.56	6.70
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.30	3.61
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.06	5.77	68.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.13	11.30	134.62
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.13	11.19	133.37
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.40

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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	1.18	14.06
Ogden, UT	CO	Maintenance	100	-	0.00	0.05	0.60
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.05	0.60
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.16
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.10	1.13
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.10	1.22
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.10	1.23
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.20
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.07	0.82
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.08	0.92
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.25	3.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.21	0.01	31.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.19	1.60	50.28
Phoenix, AZ	CO	Maintenance	100	-	0.06	5.00	59.52
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	5.12	61.03
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	5.14	61.18
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.02	0.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	1.42	16.97
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	1.30	15.49
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.18
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.00	0.43	5.13

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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.81	10.23
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.37
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	1.22	14.57
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.79	9.35
Provo, UT	CO	Maintenance	100	-	0.00	0.15	1.74
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	1.13	13.49
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	1.53	18.28
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.00	0.25	2.97
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.25	2.97
Reno, NV	CO	Maintenance	100	-	0.00	0.19	2.24
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.93	11.07
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.05	0.56
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.64	7.63
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.19	2.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.06	0.77
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	1.00	11.96
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.13	1.57
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.09	1.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	1.44	17.17
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	2.67	31.86
Sacramento, CA	CO	Maintenance	100	-	0.02	1.62	19.33
Salem, OR	CO	Maintenance	100	-	0.00	0.10	1.14
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.15	2.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.81	9.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.83	9.87
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	1.53	18.27
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.36	4.30
San Diego, CA	CO	Maintenance	100	-	0.04	3.86	45.96
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	3.87	46.05
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-0.24	1.44	56.26
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-0.23	2.12	64.30
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	4.20	51.11
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	4.21	51.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	4.20	51.11
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.36
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.50	5.98
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	2.34	29.35
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.10	1.13
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.19
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.17
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.34	4.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.09	1.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.25	2.93
Spokane, WA	CO	Maintenance	100	-	0.00	0.24	2.89
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.67	7.98
Springfield, MA	CO	Maintenance	100	-	0.00	0.12	1.40
St. Louis, MO	CO	Maintenance	100	-	0.01	0.55	6.61
St. Louis, MO-IL	Ozone	Moderate	50	-	0.02	2.09	24.87
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.02	2.07	24.71

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.14	1.71
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.22
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.03	0.33
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.06	0.73
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.73
Stockton, CA	CO	Maintenance	100	-	0.01	0.46	5.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.36	4.33
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.08	0.99
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.04	0.45
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.39	4.60
Toms River, NJ	CO	Maintenance	100	-	0.00	0.09	1.09
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.08	0.97
Trenton, NJ	CO	Maintenance	100	-	0.00	0.07	0.83
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Tucson, AZ	CO	Maintenance	100	-	0.01	0.85	10.18
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.42	4.97
Vancouver, WA	CO	Maintenance	100	-	0.00	0.28	3.39
Ventura County, CA	Ozone	Serious	50	-	0.01	0.79	9.41
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.08	0.99
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.04	0.50
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.03	0.34
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.11
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.16	1.87
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	1.27	15.17

Appendix B

Table B.1-176
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis B2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	4.56	54.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	4.46	53.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.19	2.24
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.04	0.53
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.09	1.13
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.09	1.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.09	1.11
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.32	3.81
Worcester, MA	CO	Maintenance	100	-	0.00	0.19	2.27
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.07	0.87
Yakima, WA	CO	Maintenance	100	-	0.00	0.04	0.43
York, PA	Ozone	Maintenance	100	-	0.00	0.36	4.31
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.28	3.33
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.42	4.97
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.17	1.98

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-177							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.20	0.24	0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.40	0.49	0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.41	0.50	0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	123.83	151.55	26.66
Albuquerque, NM	CO	Maintenance	100	-	57.38	70.23	12.38
Allegan County, MI	Ozone	Former Subpart 1	50	-	13.81	16.91	2.98
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	57.49	70.35	12.29
Altoona, PA	Ozone	Maintenance	100	-	10.14	12.42	2.19
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	14.92	18.25	3.22
Anchorage, AK	CO	Maintenance	100	-	13.42	16.43	2.90
Anthony, NM	PM ₁₀	Moderate	100	-	0.74	0.90	0.16
Armstrong County, PA	SO _x	Nonattainment	100	-	0.48	0.58	0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	0.67	0.82	0.14
Atlanta, GA	Ozone	Moderate	50	-	639.20	782.28	137.68
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	639.58	782.75	137.77
Atlantic City, NJ	CO	Maintenance	100	-	5.05	6.18	1.09
Bakersfield, CA	CO	Maintenance	100	-	41.06	50.19	7.90
Baltimore, MD	CO	Maintenance	100	-	0.99	1.21	0.20
Baltimore, MD	Ozone	Moderate	50	-	287.00	351.22	61.42
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	286.99	351.21	61.42
Baton Rouge, LA	Ozone	Moderate	50	-	-22.10	-34.00	-107.18
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-39.27	-54.03	-96.37
Benton County, TN	SO _x	Maintenance	100	-	0.11	0.14	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	18.04	22.07	3.88
Benzie County, MI	Ozone	Maintenance	100	-	2.13	2.60	0.46
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	14.08	17.23	3.04
Billings, MT	CO	Maintenance	100	-	-8.63	-11.76	-19.46
Birmingham, AL	Ozone	Maintenance	100	-	98.99	121.10	20.62

Appendix B

Table B.1-177							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	99.31	121.49	20.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	30.88	37.77	6.42
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	30.88	37.77	6.42
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.56	1.91	0.34
Boston, MA	CO	Maintenance	100	-	83.38	102.04	17.99
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	495.29	606.17	106.89
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	62.46	76.44	13.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.97	1.19	0.21
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	113.02	138.32	24.39
Burlington, NJ	CO	Maintenance	100	-	0.83	1.02	0.18
Butte, MT	PM ₁₀	Moderate	100	-	2.10	2.57	0.45
Canon City, CO	PM ₁₀	Maintenance	100	-	1.84	2.25	0.40
Canton-Massillon, OH	Ozone	Maintenance	100	-	25.09	30.40	0.97
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	25.09	30.40	0.97
Case County, MI	Ozone	Maintenance	100	-	4.28	5.24	0.92
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.08	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.65	0.79	0.14
Charleston, WV	Ozone	Maintenance	100	-	27.61	33.79	5.96
Charleston, WV	PM _{2.5}	Nonattainment	100	-	27.61	33.79	5.96
Charlotte, NC	CO	Maintenance	100	-	70.11	85.81	15.13
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	157.54	192.81	34.00
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	53.51	65.49	11.54
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	48.56	59.43	10.47
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	561.83	678.58	-11.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	585.05	707.00	-6.80
Chico, CA	CO	Maintenance	100	-	9.90	12.11	2.14
Chico, CA	Ozone	Former Subpart 1	50	-	23.15	28.33	5.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	191.28	234.10	41.28

Appendix B

Table B.1-177
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	185.81	227.41	40.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.40	1.71	0.30
Clark County, NV	PM ₁₀	Serious	70	-	140.41	171.85	30.30
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	24.84	30.40	5.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	17.66	21.62	3.81
Cleveland, OH	CO	Maintenance	100	-	93.79	114.79	20.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	252.68	309.25	54.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	233.33	285.56	50.35
Coachella Valley, CA	PM ₁₀	Serious	70	-	58.78	71.94	12.69
Colbert County, AL	SO _x	Maintenance	100	-	5.99	7.33	1.29
Colorado Springs, CO	CO	Maintenance	100	-	55.23	67.54	11.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.52	0.63	0.11
Columbia, SC	Ozone	Former Subpart 1	50	-	63.19	77.34	13.64
Columbus, OH	Ozone	Maintenance	100	-	160.07	195.91	34.55
Columbus, OH	PM _{2.5}	Nonattainment	100	-	148.34	181.55	32.01
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.33	0.40	0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.04	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	93.79	114.79	20.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	76.42	93.53	16.49
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	658.91	806.39	141.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	82.52	101.00	17.81
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	73.02	89.36	15.76
Denver Metro, CO	PM ₁₀	Maintenance	100	-	274.61	335.40	49.15
Denver-Boulder, CO	CO	Maintenance	100	-	262.30	320.33	46.49
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	332.81	406.63	61.69
Detroit, MI	CO	Maintenance	100	-	155.01	189.45	29.51
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	445.63	545.05	91.05
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	437.28	534.83	89.25

Appendix B

Table B.1-177
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	3.53	4.32	0.76
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.46	4.23	0.75
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.72	3.33	0.59
Duluth, MN	CO	Maintenance	100	-	8.08	9.89	1.74
Eagle River, AK	PM ₁₀	Moderate	100	-	0.80	0.98	0.17
East Chicago, IN	CO	Maintenance	100	-	0.11	0.13	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-40.17	-53.75	-76.33
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.10	0.12	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	41.92	50.94	3.72
El Paso, TX	CO	Maintenance	100	-	3.04	3.73	0.65
Erie, PA	Ozone	Maintenance	100	-	22.46	27.49	4.85
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.15	0.18	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	22.18	27.15	4.79
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	21.18	25.93	4.57
Evansville, IN	Ozone	Maintenance	100	-	24.75	30.29	5.34
Evansville, IN	PM _{2.5}	Nonattainment	100	-	31.90	39.04	6.88
Fairbanks, AK	CO	Maintenance	100	-	1.64	2.00	0.35
Fayetteville, NC	Ozone	Former Subpart 1	50	-	28.68	35.10	6.19
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.68	0.83	0.15
Flint, MI	Ozone	Maintenance	100	-	50.97	62.38	11.00
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.12	0.14	0.02
Fort Collins, CO	CO	Maintenance	100	-	16.63	20.36	3.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.07	0.09	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	35.44	43.38	7.65
Franklin County, PA	Ozone	Maintenance	100	-	14.67	17.95	3.17
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.07	0.09	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	12.67	15.51	2.73
Fredericksburg, VA	Ozone	Maintenance	100	-	38.92	47.63	8.40

Appendix B

Table B.1-177							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.62	1.98	0.35
Fresno, CA	CO	Maintenance	100	-	55.72	68.19	11.92
Grand Rapids, MI	Ozone	Maintenance	100	-	77.78	95.19	16.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	4.06	4.97	0.87
Grant County, NM	SO _x	Maintenance	100	-	0.27	0.33	0.06
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.05	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.10	3.80	0.67
Great Falls, MT	CO	Maintenance	100	-	1.97	2.41	0.43
Greater Connecticut, CT	Ozone	Moderate	50	-	161.14	197.21	34.64
Greeley, CO	CO	Maintenance	100	-	11.78	14.41	2.54
Green Bay, WI	SO _x	Maintenance	100	-	11.86	14.52	2.56
Greene County, IN	Ozone	Maintenance	100	-	4.73	5.78	1.02
Greene County, PA	Ozone	Maintenance	100	-	4.47	5.47	0.96
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	158.33	193.76	33.99
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	78.46	96.02	16.75
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	88.10	107.81	18.82
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	2.20	2.70	0.48
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	11.14	13.64	2.40
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	82.09	100.46	17.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	75.80	92.77	16.30
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	104.65	128.07	22.45
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.94	1.15	0.20
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.68	4.50	0.79
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.48	0.58	0.10
Hazelwood, PA	SO _x	Maintenance	100	-	3.94	4.82	0.84
Hickory, NC	PM _{2.5}	Nonattainment	100	-	17.61	21.56	3.80
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	28.83	35.29	6.22
Hollis Township, IL	SO _x	Maintenance	100	-	0.24	0.29	0.05

Appendix B

Table B.1-177							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	411.80	494.20	-55.35
Humphreys County, TN	SO _x	Maintenance	100	-	0.27	0.33	0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-29.63	-40.79	-73.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-43.20	-57.40	-76.14
Huron County, MI	Ozone	Maintenance	100	-	2.81	3.43	0.61
Imperial County, CA	Ozone	Moderate	50	-	20.54	25.14	4.43
Imperial Valley, CA	PM ₁₀	Serious	70	-	20.08	24.57	4.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	3.29	4.03	0.71
Indianapolis, IN	CO	Maintenance	100	-	0.10	0.12	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	192.68	235.82	41.58
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	152.60	186.76	32.93
Jackson County, IN	Ozone	Maintenance	100	-	7.76	9.50	1.67
Jamestown, NY	Ozone	Former Subpart 1	50	-	15.20	18.61	3.28
Jefferson County, NY	Ozone	Moderate	50	-	12.06	14.76	2.60
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.78	0.96	0.17
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	21.32	26.10	4.60
Johnstown, PA	Ozone	Maintenance	100	-	10.30	12.61	2.22
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	11.28	13.81	2.44
Juneau, AK	PM ₁₀	Moderate	100	-	1.00	1.22	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	49.40	60.46	10.66
Kalispell, MT	PM ₁₀	Moderate	100	-	2.78	3.40	0.60
Kansas City, MO-KS	Ozone	Maintenance	100	-	159.50	195.17	33.83
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	13.75	16.83	2.97
Kent, WA	PM ₁₀	Maintenance	100	-	2.36	2.89	0.51
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	8.05	9.85	1.74
Kewaunee County, WI	Ozone	Maintenance	100	-	2.42	2.97	0.52
King County, WA	PM ₁₀	Maintenance	100	-	0.98	1.20	0.21
Klamath Falls, OR	CO	Maintenance	100	-	4.86	5.95	1.05

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Table B.1-177
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.86	5.95	1.05
Knoxville, TN	Ozone	Former Subpart 1	50	-	112.86	138.13	24.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	87.81	107.47	18.95
La Porte County, IN	SO _x	Maintenance	100	-	3.45	4.22	0.74
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.47	1.79	0.32
Lake County, IN	SO _x	Maintenance	100	-	29.93	36.61	6.27
Lake County, OH	SO _x	Maintenance	100	-	3.50	4.29	0.76
Lake County, OR	PM ₁₀	Maintenance	100	-	0.60	0.74	0.13
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.63	3.22	0.57
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	5.60	6.85	1.21
Lake Tahoe, NV	CO	Maintenance	100	-	1.96	2.40	0.42
Lamar, CO	PM ₁₀	Maintenance	100	-	0.87	1.07	0.19
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.14	0.17	0.03
Lancaster, PA	Ozone	Maintenance	100	-	43.49	53.23	9.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	43.49	53.23	9.31
Lane County, OR	PM ₁₀	Moderate	100	-	0.15	0.18	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	46.40	56.79	10.01
LaPorte, IN	Ozone	Maintenance	100	-	9.67	11.84	2.09
Las Vegas, NV	CO	Serious	100	-	140.41	171.85	30.30
Las Vegas, NV	Ozone	Former Subpart 1	50	-	142.61	174.54	30.78
Lauderdale County, AL	SO _x	Maintenance	100	-	8.69	10.64	1.88
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.17	0.21	0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.44	0.54	0.09
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.58	0.71	0.13
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.40	1.71	0.30
Lima, OH	Ozone	Maintenance	100	-	-0.29	-1.19	-12.38
Longmont, CO	CO	Maintenance	100	-	8.59	10.51	1.85
Lorain County, OH	SO _x	Maintenance	100	-	4.47	5.47	0.96

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Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,363.26	1,661.30	188.60
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1,363.26	1,661.30	188.60
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,363.26	1,661.30	188.60
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,363.28	1,661.32	188.61
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,363.19	1,661.21	188.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	65.72	80.44	14.18
Louisville, KY-IN	Ozone	Maintenance	100	-	110.56	135.32	23.86
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	107.27	131.29	23.15
Lowell, MA	CO	Maintenance	100	-	10.92	13.36	2.36
Lucas County, OH	SO _x	Maintenance	100	-	29.64	36.28	6.40
Lyons Township, IL	PM ₁₀	Maintenance	100	-	6.15	7.53	1.33
Macon, GA	Ozone	Maintenance	100	-	20.87	25.54	4.50
Macon, GA	PM _{2.5}	Nonattainment	100	-	20.66	25.28	4.46
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.29	0.35	0.06
Madison, WI	SO _x	Maintenance	100	-	23.10	28.27	4.98
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.85	1.04	0.18
Manchester, NH	CO	Maintenance	100	-	7.66	9.38	1.65
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	9.98	12.21	2.15
Marion County, IN	SO _x	Maintenance	100	-	30.94	37.86	6.68
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	10.35	12.67	2.23
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	30.98	37.92	6.69
Mason County, MI	Ozone	Maintenance	100	-	2.55	3.12	0.55
Medford, OR	CO	Maintenance	100	-	7.31	8.94	1.58
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	17.40	21.30	3.76
Memphis, TN-AR	Ozone	Maintenance	100	-	93.50	114.04	14.36
Memphis, TN	CO	Maintenance	100	-	85.45	104.19	12.62
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.77	3.40	0.60

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Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.52	0.64	0.11
Milwaukee, WI	SO _x	Maintenance	100	-	52.21	63.90	11.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	172.45	211.06	37.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	144.40	166.61	-117.78
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	269.09	329.30	57.52
Missoula, MT	CO	Maintenance	100	-	5.67	6.92	0.95
Missoula, MT	PM ₁₀	Moderate	100	-	5.49	6.70	0.92
Modesto, CA	CO	Maintenance	100	-	28.60	35.00	6.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	9.59	11.74	2.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.13	0.16	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.33	0.40	0.07
Morristown, NJ	CO	Maintenance	100	-	3.07	3.76	0.66
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.88	3.52	0.62
Muncie, IN	Ozone	Maintenance	100	-	11.64	14.25	2.51
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.42	0.51	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	1.47	1.80	0.32
Muskegon, MI	Ozone	Maintenance	100	-	12.54	15.35	2.69
Nashua, NH	CO	Maintenance	100	-	6.10	7.46	1.32
Nashville, TN	Ozone	Former Subpart 1	50	-	156.63	191.68	33.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	12.62	15.44	2.72
New Haven County, CT	PM ₁₀	Maintenance	100	-	13.22	16.18	2.85
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	77.26	94.55	16.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.60	0.73	0.13
New York County, NY	PM ₁₀	Moderate	100	-	45.42	55.59	9.80
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	760.51	930.38	158.34
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,437.96	1,759.31	301.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,425.92	1,744.57	299.03
Nogales, AZ	PM ₁₀	Moderate	100	-	3.92	4.80	0.85

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Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-241.67	-325.84	-495.08
Ogden, UT	CO	Maintenance	100	-	6.90	8.44	1.49
Ogden, UT	PM ₁₀	Moderate	100	-	6.90	8.45	1.49
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.24	0.30	0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	2.09	2.56	0.45
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	10.13	12.40	2.19
Owens Valley, CA	PM ₁₀	Serious	70	-	0.36	0.44	0.08
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	14.29	17.49	3.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	14.39	17.61	3.10
Payson, AZ	PM ₁₀	Maintenance	100	-	1.86	2.27	0.40
Penns Grove, NJ	CO	Maintenance	100	-	0.05	0.06	0.01
Peoria, IL	SO _x	Maintenance	100	-	9.87	12.08	2.11
Perth Amboy, NJ	CO	Maintenance	100	-	4.82	5.71	-1.78
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	38.98	47.70	8.41
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	359.81	434.73	-5.33
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	562.01	682.19	38.23
Phoenix, AZ	CO	Maintenance	100	-	425.58	520.85	91.68
Phoenix, AZ	PM ₁₀	Serious	70	-	439.09	537.38	94.59
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	440.67	539.31	94.93
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.05	1.29	0.23
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.14	0.17	0.03
Pittsburgh, PA	CO	Maintenance	100	-	2.19	2.68	0.47
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	197.03	241.13	42.37
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	180.03	220.32	38.71
Polk County, TN	SO _x	Maintenance	100	-	2.06	2.52	0.44
Polson, MT	PM ₁₀	Moderate	100	-	0.28	0.34	0.06
Portland, ME	Ozone	Maintenance	100	-	54.05	66.12	11.19

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Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	112.68	137.88	23.89
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	4.31	5.27	0.93
Poughkeepsie, NY	Ozone	Moderate	50	-	128.64	157.44	27.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.92	1.13	0.20
Providence (entire State), RI	Ozone	Moderate	50	-	94.40	115.50	19.78
Provo, UT	CO	Maintenance	100	-	15.31	18.74	3.31
Raleigh-Durham, NC	CO	Maintenance	100	-	123.67	151.35	26.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	168.85	206.65	36.33
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.19	0.24	0.04
Reading, PA	Ozone	Maintenance	100	-	32.51	39.78	7.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	32.51	39.78	7.02
Reno, NV	CO	Maintenance	100	-	23.71	29.01	5.12
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.09	0.11	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	119.07	145.72	25.55
Rillito, AZ	PM ₁₀	Moderate	100	-	4.53	5.55	0.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	58.78	71.94	12.69
Roanoke, VA	Ozone	Former Subpart 1	50	-	25.78	31.55	5.56
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	7.71	9.44	1.66
Rochester, NY	Ozone	Former Subpart 1	50	-	130.49	159.71	28.16
Rocky Mount, NC	Ozone	Maintenance	100	-	18.29	22.39	3.95
Rome, GA	PM _{2.5}	Nonattainment	100	-	11.75	14.38	2.54
Ronan, MT	PM ₁₀	Moderate	100	-	0.11	0.13	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.25	0.30	0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	138.52	169.53	29.89
Sacramento Metro, CA	Ozone	Severe	25	-	246.21	301.28	52.38
Sacramento, CA	CO	Maintenance	100	-	153.88	188.33	33.12
Salem, OR	CO	Maintenance	100	-	12.84	15.71	2.77
Salt Lake City, UT	CO	Maintenance	100	-	18.89	23.01	2.39

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Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	97.63	119.38	19.38
Salt Lake County, UT	SO _x	Nonattainment	100	-	99.14	121.34	21.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	177.90	217.72	38.22
San Bernardino County, CA	PM ₁₀	Moderate	100	-	40.71	49.82	8.79
San Diego, CA	CO	Maintenance	100	-	388.19	475.10	83.78
San Diego, CA	Ozone	Former Subpart 1	50	-	388.90	475.97	83.93
San Francisco Bay Area, CA	Ozone	Marginal	50	-	586.81	716.59	103.20
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	668.84	816.98	120.90
San Joaquin Valley, CA	Ozone	Extreme	10	-	422.00	516.40	89.93
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	423.96	518.79	90.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	422.00	516.40	89.93
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.15	3.86	0.68
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.07	0.08	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	65.25	79.85	14.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	285.54	349.47	61.62
Sheboygan, WI	Ozone	Moderate	50	-	11.44	14.00	2.47
Sheridan, WY	PM ₁₀	Moderate	100	-	2.14	2.62	0.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.68	2.05	0.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	44.03	53.89	9.47
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	17.75	21.72	3.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	28.41	34.77	6.13
Spokane, WA	CO	Maintenance	100	-	28.12	34.42	6.07
Springfield (western MA), MA	Ozone	Moderate	50	-	86.81	106.23	18.48
Springfield, MA	CO	Maintenance	100	-	13.83	16.93	2.89
St. Louis, MO	CO	Maintenance	100	-	92.51	113.22	19.96
St. Louis, MO-IL	Ozone	Moderate	50	-	269.97	328.78	34.12
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	268.06	326.43	33.71

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Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	16.30	19.95	3.52
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.69	2.07	0.36
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	4.27	5.22	0.92
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	8.47	10.28	0.56
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	8.47	10.28	0.56
Stockton, CA	CO	Maintenance	100	-	43.12	52.77	9.31
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	50.55	61.86	10.91
Telluride, CO	PM ₁₀	Maintenance	100	-	0.13	0.16	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	13.19	16.14	2.85
Tioga County, PA	Ozone	Maintenance	100	-	5.60	6.85	1.21
Toledo, OH	Ozone	Maintenance	100	-	22.13	24.66	-31.03
Toms River, NJ	CO	Maintenance	100	-	9.37	11.47	2.02
Tooele County, UT	SO _x	Nonattainment	100	-	9.70	11.88	2.09
Trenton, NJ	CO	Maintenance	100	-	8.58	10.50	1.85
Trona, CA	PM ₁₀	Moderate	100	-	0.29	0.36	0.06
Tucson, AZ	CO	Maintenance	100	-	94.41	115.54	20.37
Utah County, UT	PM ₁₀	Moderate	100	-	46.05	56.36	9.94
Vancouver, WA	CO	Maintenance	100	-	29.07	35.57	6.27
Ventura County, CA	Ozone	Serious	50	-	77.79	95.17	16.20
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.72	0.88	0.15
Vigo County, IN	SO _x	Maintenance	100	-	13.19	16.14	2.85
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	5.52	6.76	1.19
Warren County, NJ	SO _x	Maintenance	100	-	3.47	4.24	0.75
Warren County, PA	SO _x	Nonattainment	100	-	1.39	1.70	0.27
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	20.78	25.44	4.49
Washington, DC-MD-VA	CO	Maintenance	100	-	151.72	185.68	32.74

Appendix B

Table B.1-177
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	514.58	629.79	111.05
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	504.10	616.96	108.79
Washoe County, NV	PM ₁₀	Serious	70	-	23.71	29.01	5.12
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.40	0.49	0.09
Wayne County, IN	SO _x	Maintenance	100	-	7.22	8.84	1.56
Wayne County, MI	PM ₁₀	Maintenance	100	-	4.65	5.51	-1.61
Weirton, WV	PM ₁₀	Maintenance	100	-	0.98	1.20	0.21
Weirton, WV	SO _x	Maintenance	100	-	1.29	1.57	0.28
Wheeling, WV-OH	Ozone	Maintenance	100	-	15.00	18.36	3.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	15.00	18.36	3.24
Winston-Salem, NC	CO	Maintenance	100	-	39.79	48.70	8.59
Worcester, MA	CO	Maintenance	100	-	20.72	25.36	4.47
Yakima County, WA	PM ₁₀	Maintenance	100	-	8.96	10.97	1.93
Yakima, WA	CO	Maintenance	100	-	3.58	4.38	0.77
York, PA	Ozone	Maintenance	100	-	42.74	52.31	9.22
York, PA	PM _{2.5}	Nonattainment	100	-	33.27	40.72	7.18
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	63.68	77.93	13.74
Yuma, AZ	PM ₁₀	Moderate	100	-	17.48	21.39	3.77

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.38	0.47	-1.15
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.78	0.97	-2.40
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.82	1.01	-2.49
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	243.90	302.89	-746.15
Albuquerque, NM	CO	Maintenance	100	-	112.48	139.69	-344.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	27.80	34.53	-85.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	113.03	140.37	-346.04
Altoona, PA	Ozone	Maintenance	100	-	19.44	24.14	-59.46
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	31.73	39.41	-97.05
Anchorage, AK	CO	Maintenance	100	-	27.13	33.69	-82.96
Anthony, NM	PM ₁₀	Moderate	100	-	1.43	1.78	-4.38
Armstrong County, PA	SO _x	Nonattainment	100	-	0.93	1.16	-2.86
Aspen, CO	PM ₁₀	Maintenance	100	-	1.34	1.67	-4.11
Atlanta, GA	Ozone	Moderate	50	-	1,278.37	1,587.59	-3,910.62
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,279.07	1,588.46	-3,912.78
Atlantic City, NJ	CO	Maintenance	100	-	9.81	12.18	-30.00
Bakersfield, CA	CO	Maintenance	100	-	82.84	102.84	-256.33
Baltimore, MD	CO	Maintenance	100	-	1.91	2.37	-5.89
Baltimore, MD	Ozone	Moderate	50	-	569.96	707.81	-1,744.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	569.95	707.80	-1,744.78
Baton Rouge, LA	Ozone	Moderate	50	-	-24.40	-34.70	-240.58
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-62.11	-80.90	-80.56
Benton County, TN	SO _x	Maintenance	100	-	0.22	0.27	-0.67
Benton Harbor, MI	Ozone	Maintenance	100	-	34.36	42.67	-105.12
Benzie County, MI	Ozone	Maintenance	100	-	4.37	5.43	-13.37
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	28.01	34.78	-85.65
Billings, MT	CO	Maintenance	100	-	-13.75	-17.84	-12.10
Birmingham, AL	Ozone	Maintenance	100	-	192.33	238.82	-590.51

Appendix B

Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	192.95	239.60	-592.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	61.69	76.61	-189.43
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	61.69	76.61	-189.43
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	3.19	3.96	-9.75
Boston, MA	CO	Maintenance	100	-	162.75	202.12	-497.77
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	974.59	1,210.34	-2,980.74
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	124.13	154.16	-379.64
Boyd County (part), KY	SO _x	Maintenance	100	-	1.85	2.30	-5.67
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	220.07	273.30	-673.06
Burlington, NJ	CO	Maintenance	100	-	1.57	1.95	-4.79
Butte, MT	PM ₁₀	Moderate	100	-	3.98	4.94	-12.16
Canon City, CO	PM ₁₀	Maintenance	100	-	3.72	4.62	-11.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	49.14	60.83	-163.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	49.14	60.83	-163.96
Case County, MI	Ozone	Maintenance	100	-	8.32	10.34	-25.46
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.13	0.16	-0.40
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.21	1.51	-3.71
Charleston, WV	Ozone	Maintenance	100	-	52.76	65.52	-161.36
Charleston, WV	PM _{2.5}	Nonattainment	100	-	52.76	65.52	-161.36
Charlotte, NC	CO	Maintenance	100	-	140.61	174.62	-430.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	314.43	390.49	-961.66
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	104.18	129.38	-318.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	94.85	117.79	-290.11
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,139.32	1,409.20	-3,894.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,185.23	1,466.23	-4,034.50
Chico, CA	CO	Maintenance	100	-	20.77	25.79	-63.51
Chico, CA	Ozone	Former Subpart 1	50	-	47.85	59.42	-146.35
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	376.20	467.20	-1,150.59

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	365.22	453.56	-1,117.00
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	2.65	3.29	-8.11
Clark County, NV	PM ₁₀	Serious	70	-	286.90	356.30	-877.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	49.55	61.53	-151.54
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	34.38	42.69	-105.14
Cleveland, OH	CO	Maintenance	100	-	178.43	221.59	-545.72
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	491.00	609.77	-1,501.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	452.74	562.26	-1,384.69
Coachella Valley, CA	PM ₁₀	Serious	70	-	122.22	151.78	-373.80
Colbert County, AL	SO _x	Maintenance	100	-	11.37	14.13	-34.79
Colorado Springs, CO	CO	Maintenance	100	-	111.59	138.55	-343.80
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.05	1.30	-3.20
Columbia, SC	Ozone	Former Subpart 1	50	-	124.20	154.24	-379.85
Columbus, OH	Ozone	Maintenance	100	-	320.95	398.59	-981.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	297.69	369.70	-910.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.63	0.78	-1.94
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.07	0.09	-0.21
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	178.43	221.60	-545.73
Cuyahoga County, OH	SO _x	Maintenance	100	-	145.90	181.19	-446.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,330.73	1,652.61	-4,071.70
Dayton-Springfield, OH	Ozone	Maintenance	100	-	159.37	197.92	-487.43
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	140.86	174.93	-430.81
Denver Metro, CO	PM ₁₀	Maintenance	100	-	554.04	687.63	-1,725.66
Denver-Boulder, CO	CO	Maintenance	100	-	529.26	656.85	-1,649.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	671.18	833.10	-2,083.97
Detroit, MI	CO	Maintenance	100	-	297.00	368.68	-920.46
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	874.77	1,086.15	-2,691.21
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	858.36	1,065.78	-2,641.04

Appendix B

Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	7.03	8.73	-21.51
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	6.75	8.38	-20.65
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	5.34	6.63	-16.33
Duluth, MN	CO	Maintenance	100	-	15.53	19.28	-47.49
Eagle River, AK	PM ₁₀	Moderate	100	-	1.64	2.03	-5.01
East Chicago, IN	CO	Maintenance	100	-	0.20	0.25	-0.62
East Chicago, IN	PM ₁₀	Maintenance	100	-	-67.08	-86.21	-3.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.19	0.24	-0.58
El Paso County, TX	PM ₁₀	Moderate	100	-	84.35	104.53	-274.39
El Paso, TX	CO	Maintenance	100	-	5.97	7.42	-18.29
Erie, PA	Ozone	Maintenance	100	-	43.44	53.95	-132.86
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.30	0.37	-0.91
Eugene-Springfield, OR	CO	Maintenance	100	-	43.94	54.57	-134.39
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	41.99	52.15	-128.43
Evansville, IN	Ozone	Maintenance	100	-	48.33	60.02	-147.81
Evansville, IN	PM _{2.5}	Nonattainment	100	-	62.15	77.18	-190.08
Fairbanks, AK	CO	Maintenance	100	-	3.31	4.11	-10.13
Fayetteville, NC	Ozone	Former Subpart 1	50	-	56.29	69.91	-172.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.37	1.70	-4.19
Flint, MI	Ozone	Maintenance	100	-	99.05	123.01	-302.95
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.22	0.27	-0.66
Fort Collins, CO	CO	Maintenance	100	-	33.73	41.89	-103.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.14	0.17	-0.42
Fort Wayne, IN	Ozone	Maintenance	100	-	69.61	86.45	-212.91
Franklin County, PA	Ozone	Maintenance	100	-	29.04	36.06	-88.82
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.14	0.18	-0.44
Frederick County, VA	Ozone	Former Subpart 1	50	-	24.92	30.95	-76.21
Fredericksburg, VA	Ozone	Maintenance	100	-	79.24	98.40	-242.34

Appendix B

Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	3.30	4.10	-10.10
Fresno, CA	CO	Maintenance	100	-	112.44	139.64	-344.24
Grand Rapids, MI	Ozone	Maintenance	100	-	154.95	192.43	-473.91
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	7.77	9.65	-23.78
Grant County, NM	SO _x	Maintenance	100	-	0.51	0.63	-1.56
Grants Pass, OR	CO	Maintenance	100	-	0.09	0.11	-0.26
Grants Pass, OR	PM ₁₀	Maintenance	100	-	6.28	7.80	-19.20
Great Falls, MT	CO	Maintenance	100	-	3.72	4.62	-11.39
Greater Connecticut, CT	Ozone	Moderate	50	-	313.34	389.13	-958.77
Greeley, CO	CO	Maintenance	100	-	23.53	29.22	-71.97
Green Bay, WI	SO _x	Maintenance	100	-	23.46	29.14	-71.76
Greene County, IN	Ozone	Maintenance	100	-	9.27	11.51	-28.35
Greene County, PA	Ozone	Maintenance	100	-	8.66	10.75	-26.47
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	309.33	384.15	-946.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	152.81	189.76	-467.91
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	170.81	212.12	-523.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	4.30	5.33	-13.14
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	21.95	27.26	-67.13
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	163.19	202.67	-499.30
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	150.64	187.07	-460.89
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	202.69	251.72	-620.35
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.91	2.37	-5.85
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	7.47	9.28	-22.86
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.94	1.17	-2.87
Hazelwood, PA	SO _x	Maintenance	100	-	7.65	9.50	-23.41
Hickory, NC	PM _{2.5}	Nonattainment	100	-	33.95	42.16	-103.83
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	55.92	69.45	-171.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.46	0.57	-1.40

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	847.77	1,046.65	-3,036.73
Humphreys County, TN	SO _x	Maintenance	100	-	0.52	0.65	-1.59
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-47.08	-61.33	-61.66
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-73.57	-94.24	19.37
Huron County, MI	Ozone	Maintenance	100	-	5.42	6.73	-16.58
Imperial County, CA	Ozone	Moderate	50	-	41.86	51.98	-128.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	40.93	50.83	-125.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	6.39	7.94	-19.55
Indianapolis, IN	CO	Maintenance	100	-	0.19	0.23	-0.58
Indianapolis, IN	Ozone	Maintenance	100	-	382.48	475.00	-1,169.80
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	303.16	376.49	-927.20
Jackson County, IN	Ozone	Maintenance	100	-	15.11	18.76	-46.20
Jamestown, NY	Ozone	Former Subpart 1	50	-	29.59	36.75	-90.50
Jefferson County, NY	Ozone	Moderate	50	-	23.56	29.26	-72.06
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.47	1.83	-4.51
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	41.30	51.29	-126.31
Johnstown, PA	Ozone	Maintenance	100	-	19.25	23.91	-58.88
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	21.11	26.22	-64.57
Juneau, AK	PM ₁₀	Moderate	100	-	2.06	2.56	-6.31
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	96.20	119.47	-294.23
Kalispell, MT	PM ₁₀	Moderate	100	-	5.61	6.97	-17.16
Kansas City, MO-KS	Ozone	Maintenance	100	-	317.12	393.81	-971.71
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	27.38	34.00	-83.74
Kent, WA	PM ₁₀	Maintenance	100	-	4.78	5.94	-14.62
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	15.78	19.60	-48.26
Kewaunee County, WI	Ozone	Maintenance	100	-	4.70	5.83	-14.37
King County, WA	PM ₁₀	Maintenance	100	-	1.96	2.43	-5.98
Klamath Falls, OR	CO	Maintenance	100	-	9.42	11.70	-28.81

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	9.42	11.70	-28.81
Knoxville, TN	Ozone	Former Subpart 1	50	-	226.91	281.80	-693.98
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	175.58	218.05	-537.00
La Porte County, IN	SO _x	Maintenance	100	-	6.61	8.21	-20.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.86	3.55	-8.75
Lake County, IN	SO _x	Maintenance	100	-	57.67	71.61	-176.96
Lake County, OH	SO _x	Maintenance	100	-	6.80	8.45	-20.81
Lake County, OR	PM ₁₀	Maintenance	100	-	1.16	1.44	-3.54
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	5.62	6.97	-17.17
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	12.00	14.90	-36.71
Lake Tahoe, NV	CO	Maintenance	100	-	3.85	4.79	-11.79
Lamar, CO	PM ₁₀	Maintenance	100	-	1.69	2.09	-5.15
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.27	0.34	-0.83
Lancaster, PA	Ozone	Maintenance	100	-	85.83	106.59	-262.76
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	85.83	106.59	-262.76
Lane County, OR	PM ₁₀	Moderate	100	-	0.28	0.34	-0.84
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	90.94	112.94	-278.15
LaPorte, IN	Ozone	Maintenance	100	-	18.52	22.99	-56.63
Las Vegas, NV	CO	Serious	100	-	286.90	356.30	-877.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	291.14	361.56	-890.43
Lauderdale County, AL	SO _x	Maintenance	100	-	16.75	20.80	-51.22
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.33	0.41	-1.01
Libby, MT	PM ₁₀	Moderate	100	-	0.83	1.04	-2.55
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.11	1.38	-3.40
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	2.65	3.29	-8.11
Lima, OH	Ozone	Maintenance	100	-	1.40	1.21	-42.20
Longmont, CO	CO	Maintenance	100	-	17.43	21.64	-53.30
Lorain County, OH	SO _x	Maintenance	100	-	8.75	10.87	-26.78

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2,748.45	3,408.76	-8,731.04
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2,748.45	3,408.76	-8,731.03
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2,748.45	3,408.76	-8,731.03
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2,748.49	3,408.81	-8,731.14
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2,748.31	3,408.59	-8,730.60
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	131.99	163.91	-403.67
Louisville, KY-IN	Ozone	Maintenance	100	-	215.13	267.17	-657.97
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	208.11	258.46	-636.51
Lowell, MA	CO	Maintenance	100	-	21.65	26.89	-66.21
Lucas County, OH	SO _x	Maintenance	100	-	56.92	70.69	-174.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	11.84	14.70	-36.21
Macon, GA	Ozone	Maintenance	100	-	39.91	49.57	-122.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	39.49	49.05	-120.79
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.55	0.68	-1.68
Madison, WI	SO _x	Maintenance	100	-	46.78	58.10	-143.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.82	2.26	-5.56
Manchester, NH	CO	Maintenance	100	-	14.73	18.30	-45.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	19.31	23.98	-59.06
Marion County, IN	SO _x	Maintenance	100	-	59.61	74.03	-182.31
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	21.52	26.72	-65.81
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	60.82	75.54	-186.02
Mason County, MI	Ozone	Maintenance	100	-	5.03	6.24	-15.38
Medford, OR	CO	Maintenance	100	-	14.90	18.50	-45.56
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	35.53	44.13	-108.68
Memphis, TN-AR	Ozone	Maintenance	100	-	181.07	224.62	-571.71
Memphis, TN	CO	Maintenance	100	-	165.81	205.67	-525.04
Miami (Gila County), AZ	SO _x	Maintenance	100	-	5.62	6.98	-17.19

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Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	1.00	1.24	-3.06
Milwaukee, WI	SO _x	Maintenance	100	-	100.69	125.05	-307.96
Milwaukee-Racine, WI	Ozone	Moderate	50	-	339.57	421.71	-1,038.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	316.36	386.49	-1,425.98
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	533.81	662.92	-1,634.34
Missoula, MT	CO	Maintenance	100	-	11.28	14.00	-35.35
Missoula, MT	PM ₁₀	Moderate	100	-	10.93	13.56	-34.25
Modesto, CA	CO	Maintenance	100	-	59.01	73.29	-180.49
Mohave County, AZ	PM ₁₀	Maintenance	100	-	19.81	24.61	-60.60
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.27	0.34	-0.84
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.64	0.79	-1.94
Morristown, NJ	CO	Maintenance	100	-	6.23	7.73	-19.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	5.53	6.87	-16.92
Muncie, IN	Ozone	Maintenance	100	-	22.05	27.39	-67.45
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.84	1.05	-2.58
Muscatine County, IA	SO _x	Maintenance	100	-	2.89	3.59	-8.83
Muskegon, MI	Ozone	Maintenance	100	-	24.67	30.63	-75.47
Nashua, NH	CO	Maintenance	100	-	11.75	14.60	-35.95
Nashville, TN	Ozone	Former Subpart 1	50	-	312.14	387.64	-955.24
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	26.92	33.44	-82.35
New Haven County, CT	PM ₁₀	Maintenance	100	-	26.53	32.95	-81.13
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	149.84	186.08	-458.27
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.14	1.42	-3.49
New York County, NY	PM ₁₀	Moderate	100	-	86.97	108.01	-266.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,482.67	1,841.07	-4,552.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2,819.33	3,500.95	-8,649.55
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2,795.34	3,471.16	-8,576.19
Nogales, AZ	PM ₁₀	Moderate	100	-	7.79	9.67	-23.83

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Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-394.91	-509.46	-155.40
Ogden, UT	CO	Maintenance	100	-	13.40	16.64	-40.97
Ogden, UT	PM ₁₀	Moderate	100	-	13.40	16.64	-40.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.46	0.57	-1.40
Olmsted County, MN	PM ₁₀	Maintenance	100	-	4.02	4.99	-12.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	20.48	25.44	-62.64
Owens Valley, CA	PM ₁₀	Serious	70	-	0.74	0.92	-2.26
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.09
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	27.64	34.32	-84.53
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	27.83	34.56	-85.10
Payson, AZ	PM ₁₀	Maintenance	100	-	3.72	4.62	-11.39
Penns Grove, NJ	CO	Maintenance	100	-	0.09	0.11	-0.28
Peoria, IL	SO _x	Maintenance	100	-	19.01	23.61	-58.22
Perth Amboy, NJ	CO	Maintenance	100	-	10.52	12.94	-40.86
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	74.34	92.33	-227.38
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	715.64	885.19	-2,444.16
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,112.42	1,377.94	-3,657.92
Phoenix, AZ	CO	Maintenance	100	-	898.88	1,116.31	-2,749.71
Phoenix, AZ	PM ₁₀	Serious	70	-	926.24	1,150.29	-2,833.40
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	929.39	1,154.20	-2,843.01
Pierce County, WA	PM ₁₀	Maintenance	100	-	2.04	2.54	-6.24
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.25	0.31	-0.76
Pittsburgh, PA	CO	Maintenance	100	-	4.42	5.49	-13.52
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	381.57	473.86	-1,167.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	348.58	432.89	-1,066.55
Polk County, TN	SO _x	Maintenance	100	-	4.00	4.97	-12.24
Polson, MT	PM ₁₀	Moderate	100	-	0.56	0.69	-1.71
Portland, ME	Ozone	Maintenance	100	-	106.26	131.94	-326.44

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Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	220.33	273.61	-675.21
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	8.36	10.38	-25.56
Poughkeepsie, NY	Ozone	Moderate	50	-	260.55	323.58	-796.89
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.76	2.18	-5.38
Providence (entire State), RI	Ozone	Moderate	50	-	186.78	231.93	-573.07
Provo, UT	CO	Maintenance	100	-	31.08	38.59	-95.05
Raleigh-Durham, NC	CO	Maintenance	100	-	248.77	308.94	-761.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	339.25	421.31	-1,037.90
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.37	0.45	-1.13
Reading, PA	Ozone	Maintenance	100	-	63.50	78.86	-194.21
Reading, PA	PM _{2.5}	Nonattainment	100	-	63.50	78.86	-194.21
Reno, NV	CO	Maintenance	100	-	46.57	57.84	-142.44
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.18	0.23	-0.56
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	233.24	289.65	-713.80
Rillito, AZ	PM ₁₀	Moderate	100	-	9.30	11.55	-28.44
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	122.22	151.78	-373.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	49.97	62.05	-152.82
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	15.31	19.02	-46.83
Rochester, NY	Ozone	Former Subpart 1	50	-	255.10	316.81	-780.21
Rocky Mount, NC	Ozone	Maintenance	100	-	35.40	43.96	-108.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	22.89	28.43	-70.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.22	0.27	-0.66
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.48	0.60	-1.47
Sacramento County, CA	PM ₁₀	Moderate	100	-	285.41	354.45	-872.92
Sacramento Metro, CA	Ozone	Severe	25	-	512.02	635.85	-1,568.33
Sacramento, CA	CO	Maintenance	100	-	318.34	395.34	-973.92
Salem, OR	CO	Maintenance	100	-	24.99	31.03	-76.42
Salt Lake City, UT	CO	Maintenance	100	-	37.85	46.93	-120.96

Appendix B

Table B.1-178							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	193.70	240.48	-597.63
Salt Lake County, UT	SO _x	Nonattainment	100	-	196.35	243.85	-600.54
San Antonio, TX	Ozone	Former Subpart 1	50	-	354.17	439.84	-1,083.73
San Bernardino County, CA	PM ₁₀	Moderate	100	-	82.08	101.93	-251.02
San Diego, CA	CO	Maintenance	100	-	792.80	984.58	-2,424.74
San Diego, CA	Ozone	Former Subpart 1	50	-	794.27	986.40	-2,429.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,184.74	1,470.32	-3,695.62
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,347.19	1,672.06	-4,192.45
San Joaquin Valley, CA	Ozone	Extreme	10	-	866.30	1,075.80	-2,653.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	869.93	1,080.31	-2,664.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	866.30	1,075.80	-2,653.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	6.41	7.96	-19.61
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.13	0.16	-0.40
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	127.55	158.41	-390.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	569.94	707.81	-1,743.14
Sheboygan, WI	Ozone	Moderate	50	-	22.65	28.13	-69.27
Sheridan, WY	PM ₁₀	Moderate	100	-	4.16	5.17	-12.73
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	3.32	4.13	-10.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	86.10	106.93	-263.42
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	33.26	41.31	-101.75
Spokane County, WA	PM ₁₀	Maintenance	100	-	56.62	70.32	-173.18
Spokane, WA	CO	Maintenance	100	-	56.04	69.60	-171.40
Springfield (western MA), MA	Ozone	Moderate	50	-	169.76	210.81	-519.96
Springfield, MA	CO	Maintenance	100	-	27.27	33.86	-83.69
St. Louis, MO	CO	Maintenance	100	-	174.63	216.87	-534.09
St. Louis, MO-IL	Ozone	Moderate	50	-	525.93	652.11	-1,682.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	522.22	647.50	-1,671.47

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	32.56	40.44	-99.58
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	3.52	4.37	-10.76
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	8.13	10.10	-24.86
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	16.28	20.16	-53.71
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	16.28	20.16	-53.71
Stockton, CA	CO	Maintenance	100	-	88.67	110.11	-271.18
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	97.83	121.49	-299.21
Telluride, CO	PM ₁₀	Maintenance	100	-	0.28	0.35	-0.85
Terre Haute, IN	Ozone	Maintenance	100	-	25.06	31.12	-76.64
Tioga County, PA	Ozone	Maintenance	100	-	10.74	13.34	-32.84
Toledo, OH	Ozone	Maintenance	100	-	48.36	58.53	-258.12
Toms River, NJ	CO	Maintenance	100	-	18.95	23.53	-57.94
Tooele County, UT	SO _x	Nonattainment	100	-	19.23	23.88	-58.82
Trenton, NJ	CO	Maintenance	100	-	16.85	20.93	-51.55
Trona, CA	PM ₁₀	Moderate	100	-	0.60	0.75	-1.84
Tucson, AZ	CO	Maintenance	100	-	189.53	235.37	-579.66
Utah County, UT	PM ₁₀	Moderate	100	-	92.46	114.83	-282.78
Vancouver, WA	CO	Maintenance	100	-	59.29	73.64	-181.35
Ventura County, CA	Ozone	Serious	50	-	159.47	198.03	-489.55
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.37	1.70	-4.19
Vigo County, IN	SO _x	Maintenance	100	-	25.06	31.12	-76.64
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	10.76	13.36	-32.91
Warren County, NJ	SO _x	Maintenance	100	-	6.83	8.49	-20.90
Warren County, PA	SO _x	Nonattainment	100	-	2.67	3.31	-8.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	40.52	50.32	-123.92
Washington, DC-MD-VA	CO	Maintenance	100	-	298.43	370.62	-912.74

Appendix B

Table B.1-178
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1,029.36	1,278.36	-3,148.26
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1,007.91	1,251.72	-3,082.63
Washoe County, NV	PM ₁₀	Serious	70	-	46.57	57.84	-142.44
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.78	0.97	-2.38
Wayne County, IN	SO _x	Maintenance	100	-	13.66	16.97	-41.78
Wayne County, MI	PM ₁₀	Maintenance	100	-	9.87	12.14	-38.24
Weirton, WV	PM ₁₀	Maintenance	100	-	1.84	2.28	-5.62
Weirton, WV	SO _x	Maintenance	100	-	2.41	2.99	-7.37
Wheeling, WV-OH	Ozone	Maintenance	100	-	28.45	35.33	-87.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	28.45	35.33	-87.00
Winston-Salem, NC	CO	Maintenance	100	-	78.31	97.26	-239.52
Worcester, MA	CO	Maintenance	100	-	41.50	51.54	-126.94
Yakima County, WA	PM ₁₀	Maintenance	100	-	17.73	22.02	-54.23
Yakima, WA	CO	Maintenance	100	-	7.29	9.06	-22.31
York, PA	Ozone	Maintenance	100	-	84.83	105.35	-259.44
York, PA	PM _{2.5}	Nonattainment	100	-	65.96	81.92	-201.75
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	121.63	151.05	-371.99
Yuma, AZ	PM ₁₀	Moderate	100	-	35.40	43.96	-108.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.33	1.01	-7.99
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	3.07	2.33	-18.46
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	3.18	2.42	-19.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	945.07	719.12	-5,692.26
Albuquerque, NM	CO	Maintenance	100	-	430.00	327.19	-2,589.51
Allegan County, MI	Ozone	Former Subpart 1	50	-	114.23	86.92	-687.91
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	435.71	331.57	-2,625.47
Altoona, PA	Ozone	Maintenance	100	-	69.41	52.82	-418.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	148.84	113.25	-896.32
Anchorage, AK	CO	Maintenance	100	-	111.62	84.93	-672.21
Anthony, NM	PM ₁₀	Moderate	100	-	5.38	4.09	-32.39
Armstrong County, PA	SO _x	Nonattainment	100	-	3.58	2.73	-21.58
Aspen, CO	PM ₁₀	Maintenance	100	-	5.43	4.13	-32.69
Atlanta, GA	Ozone	Moderate	50	-	5,167.13	3,931.73	-31,120.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5,169.34	3,933.41	-31,133.89
Atlantic City, NJ	CO	Maintenance	100	-	36.45	27.73	-219.51
Bakersfield, CA	CO	Maintenance	100	-	341.03	259.83	-2,067.39
Baltimore, MD	CO	Maintenance	100	-	7.03	5.36	-42.61
Baltimore, MD	Ozone	Moderate	50	-	2,260.10	1,719.88	-13,617.88
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2,260.06	1,719.85	-13,617.67
Baton Rouge, LA	Ozone	Moderate	50	-	49.82	73.75	-1,756.23
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-129.56	-67.83	-469.43
Benton County, TN	SO _x	Maintenance	100	-	0.80	0.61	-4.82
Benton Harbor, MI	Ozone	Maintenance	100	-	120.29	91.54	-724.60
Benzie County, MI	Ozone	Maintenance	100	-	18.94	14.41	-114.08
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	111.48	84.83	-671.37
Billings, MT	CO	Maintenance	100	-	-28.80	-15.75	-76.80
Birmingham, AL	Ozone	Maintenance	100	-	715.82	544.92	-4,321.28

Appendix B

Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	718.29	546.80	-4,336.13
Boise-Northern Ada County, ID	CO	Maintenance	100	-	248.61	189.25	-1,500.61
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	248.61	189.25	-1,500.61
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	13.67	10.40	-82.34
Boston, MA	CO	Maintenance	100	-	616.05	468.75	-3,709.92
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3,766.82	2,866.15	-22,684.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	492.69	374.88	-2,967.01
Boyd County (part), KY	SO _x	Maintenance	100	-	6.66	5.07	-40.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	825.01	627.75	-4,968.30
Burlington, NJ	CO	Maintenance	100	-	4.97	3.78	-29.91
Butte, MT	PM ₁₀	Moderate	100	-	13.58	10.33	-81.77
Canon City, CO	PM ₁₀	Maintenance	100	-	15.68	11.93	-94.43
Canton-Massillon, OH	Ozone	Maintenance	100	-	184.56	141.99	-1,174.59
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	184.56	141.99	-1,174.59
Case County, MI	Ozone	Maintenance	100	-	31.03	23.61	-186.88
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.55	0.42	-3.29
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	4.06	3.09	-24.47
Charleston, WV	Ozone	Maintenance	100	-	186.63	142.00	-1,123.88
Charleston, WV	PM _{2.5}	Nonattainment	100	-	186.63	142.00	-1,123.88
Charlotte, NC	CO	Maintenance	100	-	572.54	435.64	-3,447.86
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1,263.95	961.73	-7,611.59
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	390.44	297.09	-2,351.38
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	358.79	273.00	-2,160.74
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	4,689.56	3,614.82	-30,132.72
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	4,869.47	3,751.71	-31,216.16
Chico, CA	CO	Maintenance	100	-	95.64	72.77	-575.93
Chico, CA	Ozone	Former Subpart 1	50	-	210.16	159.91	-1,265.58
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,451.91	1,104.75	-8,743.49

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,407.09	1,070.65	-8,473.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	8.93	6.79	-53.80
Clark County, NV	PM ₁₀	Serious	70	-	1,225.87	932.76	-7,382.27
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	198.84	151.30	-1,197.44
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	128.66	97.90	-774.83
Cleveland, OH	CO	Maintenance	100	-	622.25	473.47	-3,747.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1,829.53	1,392.07	-11,017.54
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1,679.69	1,278.06	-10,115.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	544.70	414.46	-3,280.23
Colbert County, AL	SO _x	Maintenance	100	-	39.45	30.01	-237.54
Colorado Springs, CO	CO	Maintenance	100	-	463.15	352.69	-2,800.67
Columbia Falls, MT	PM ₁₀	Moderate	100	-	4.41	3.36	-26.56
Columbia, SC	Ozone	Former Subpart 1	50	-	478.77	364.29	-2,883.18
Columbus, OH	Ozone	Maintenance	100	-	1,306.12	993.82	-7,865.57
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,214.28	923.93	-7,312.46
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.07	1.58	-12.58
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.26	0.20	-1.54
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	622.27	473.48	-3,747.33
Cuyahoga County, OH	SO _x	Maintenance	100	-	517.39	393.68	-3,115.75
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5,518.64	4,199.29	-33,241.58
Dayton-Springfield, OH	Ozone	Maintenance	100	-	582.87	443.50	-3,510.08
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	513.46	390.69	-3,092.09
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2,285.39	1,742.48	-13,906.67
Denver-Boulder, CO	CO	Maintenance	100	-	2,183.16	1,664.69	-13,290.99
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2,766.88	2,108.85	-16,806.47
Detroit, MI	CO	Maintenance	100	-	1,039.29	792.13	-6,313.35
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3,354.51	2,554.21	-20,273.95
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3,291.35	2,506.16	-19,893.61

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	28.19	21.45	-169.74
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	25.19	19.17	-151.71
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	20.31	15.46	-122.34
Duluth, MN	CO	Maintenance	100	-	55.93	42.56	-336.84
Eagle River, AK	PM ₁₀	Moderate	100	-	6.92	5.27	-41.69
East Chicago, IN	CO	Maintenance	100	-	0.71	0.54	-4.29
East Chicago, IN	PM ₁₀	Maintenance	100	-	-171.15	-106.55	68.71
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.74	0.56	-4.43
El Paso County, TX	PM ₁₀	Moderate	100	-	341.99	262.08	-2,135.22
El Paso, TX	CO	Maintenance	100	-	22.71	17.28	-136.85
Erie, PA	Ozone	Maintenance	100	-	159.63	121.46	-961.33
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	1.24	0.94	-7.46
Eugene-Springfield, OR	CO	Maintenance	100	-	173.47	131.99	-1,044.63
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	166.22	126.48	-1,001.01
Evansville, IN	Ozone	Maintenance	100	-	182.71	139.02	-1,100.27
Evansville, IN	PM _{2.5}	Nonattainment	100	-	233.03	177.31	-1,403.35
Fairbanks, AK	CO	Maintenance	100	-	13.75	10.46	-82.79
Fayetteville, NC	Ozone	Former Subpart 1	50	-	215.97	164.33	-1,300.61
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	5.74	4.37	-34.57
Flint, MI	Ozone	Maintenance	100	-	369.17	280.90	-2,223.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.69	0.53	-4.16
Fort Collins, CO	CO	Maintenance	100	-	141.23	107.46	-850.51
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.46	0.35	-2.77
Fort Wayne, IN	Ozone	Maintenance	100	-	267.65	203.66	-1,611.83
Franklin County, PA	Ozone	Maintenance	100	-	114.14	86.85	-687.38
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.53	0.40	-3.19
Frederick County, VA	Ozone	Former Subpart 1	50	-	96.20	73.20	-579.30
Fredericksburg, VA	Ozone	Maintenance	100	-	335.55	255.31	-2,020.68

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	14.45	10.99	-86.99
Fresno, CA	CO	Maintenance	100	-	462.37	351.85	-2,785.91
Grand Rapids, MI	Ozone	Maintenance	100	-	619.86	471.65	-3,732.87
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	27.37	20.82	-164.85
Grant County, NM	SO _x	Maintenance	100	-	1.76	1.34	-10.57
Grants Pass, OR	CO	Maintenance	100	-	0.36	0.27	-2.15
Grants Pass, OR	PM ₁₀	Maintenance	100	-	26.31	20.02	-158.45
Great Falls, MT	CO	Maintenance	100	-	12.64	9.62	-76.14
Greater Connecticut, CT	Ozone	Moderate	50	-	1,169.75	890.11	-7,046.32
Greeley, CO	CO	Maintenance	100	-	94.90	72.21	-571.47
Green Bay, WI	SO _x	Maintenance	100	-	91.51	69.63	-551.10
Greene County, IN	Ozone	Maintenance	100	-	35.47	26.99	-213.63
Greene County, PA	Ozone	Maintenance	100	-	31.96	24.32	-192.46
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,171.04	891.10	-7,054.67
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	573.04	436.08	-3,453.44
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	632.02	480.97	-3,808.84
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	16.20	12.33	-97.59
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	84.80	64.53	-510.69
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	649.01	493.85	-3,909.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	598.43	455.36	-3,604.64
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	747.06	568.49	-4,500.86
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	8.01	6.10	-48.26
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	31.62	24.06	-190.43
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	3.61	2.75	-21.77
Hazelwood, PA	SO _x	Maintenance	100	-	28.84	21.95	-173.77
Hickory, NC	PM _{2.5}	Nonattainment	100	-	123.38	93.88	-743.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	207.26	157.70	-1,248.14
Hollis Township, IL	SO _x	Maintenance	100	-	1.62	1.24	-9.79

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	3,595.97	2,786.62	-23,705.74
Humphreys County, TN	SO _x	Maintenance	100	-	2.00	1.52	-12.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-101.49	-53.84	-338.78
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-201.52	-129.95	263.59
Huron County, MI	Ozone	Maintenance	100	-	19.84	15.09	-119.46
Imperial County, CA	Ozone	Moderate	50	-	177.51	135.07	-1,069.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	173.79	132.24	-1,046.59
Indian Wells, CA	PM ₁₀	Maintenance	100	-	23.55	17.92	-141.79
Indianapolis, IN	CO	Maintenance	100	-	0.62	0.47	-3.74
Indianapolis, IN	Ozone	Maintenance	100	-	1,514.95	1,152.71	-9,123.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1,203.49	915.73	-7,247.51
Jackson County, IN	Ozone	Maintenance	100	-	56.57	43.05	-340.69
Jamestown, NY	Ozone	Former Subpart 1	50	-	110.74	84.26	-666.89
Jefferson County, NY	Ozone	Moderate	50	-	89.20	67.87	-537.14
Jefferson County, OH	PM ₁₀	Maintenance	100	-	4.94	3.76	-29.75
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	152.39	115.96	-917.73
Johnstown, PA	Ozone	Maintenance	100	-	63.16	48.06	-380.36
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	69.51	52.89	-418.62
Juneau, AK	PM ₁₀	Moderate	100	-	9.07	6.90	-54.64
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	360.69	274.45	-2,172.12
Kalispell, MT	PM ₁₀	Moderate	100	-	23.33	17.75	-140.51
Kansas City, MO-KS	Ozone	Maintenance	100	-	1,261.20	959.84	-7,603.38
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	109.40	83.24	-658.81
Kent, WA	PM ₁₀	Maintenance	100	-	20.05	15.25	-120.73
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	59.84	45.53	-360.37
Kewaunee County, WI	Ozone	Maintenance	100	-	17.39	13.23	-104.73
King County, WA	PM ₁₀	Maintenance	100	-	7.93	6.03	-47.76
Klamath Falls, OR	CO	Maintenance	100	-	34.84	26.51	-209.83

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	34.84	26.51	-209.83
Knoxville, TN	Ozone	Former Subpart 1	50	-	930.08	707.69	-5,601.00
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	709.33	539.72	-4,271.61
La Porte County, IN	SO _x	Maintenance	100	-	23.63	17.98	-142.31
LaGrande, OR	PM ₁₀	Maintenance	100	-	10.85	8.26	-65.36
Lake County, IN	SO _x	Maintenance	100	-	208.99	159.08	-1,261.19
Lake County, OH	SO _x	Maintenance	100	-	25.31	19.26	-152.44
Lake County, OR	PM ₁₀	Maintenance	100	-	4.19	3.19	-25.23
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	26.60	20.24	-160.17
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	58.31	44.37	-351.15
Lake Tahoe, NV	CO	Maintenance	100	-	14.70	11.19	-88.53
Lamar, CO	PM ₁₀	Maintenance	100	-	6.20	4.72	-37.37
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.93	0.71	-5.62
Lancaster, PA	Ozone	Maintenance	100	-	334.42	254.49	-2,015.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	334.42	254.49	-2,015.03
Lane County, OR	PM ₁₀	Moderate	100	-	0.93	0.71	-5.59
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	347.50	264.41	-2,092.67
LaPorte, IN	Ozone	Maintenance	100	-	65.85	50.11	-396.57
Las Vegas, NV	CO	Serious	100	-	1,225.87	932.76	-7,382.27
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1,241.00	944.27	-7,473.39
Lauderdale County, AL	SO _x	Maintenance	100	-	60.78	46.25	-366.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.23	0.94	-7.40
Libby, MT	PM ₁₀	Moderate	100	-	2.94	2.24	-17.70
Libby, MT	PM _{2.5}	Nonattainment	100	-	3.92	2.98	-23.60
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	8.93	6.79	-53.79
Lima, OH	Ozone	Maintenance	100	-	19.09	18.84	-290.13
Longmont, CO	CO	Maintenance	100	-	73.68	56.06	-443.71
Lorain County, OH	SO _x	Maintenance	100	-	33.53	25.51	-201.91

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11,280.20	8,619.98	-69,431.70
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	11,280.19	8,619.98	-69,431.68
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11,280.19	8,619.98	-69,431.68
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11,280.30	8,620.07	-69,432.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11,279.65	8,619.57	-69,428.42
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	538.38	409.65	-3,242.17
Louisville, KY-IN	Ozone	Maintenance	100	-	804.80	612.36	-4,846.55
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	771.65	587.14	-4,646.92
Lowell, MA	CO	Maintenance	100	-	86.47	65.80	-520.76
Lucas County, OH	SO _x	Maintenance	100	-	204.37	155.50	-1,230.71
Lyons Township, IL	PM ₁₀	Maintenance	100	-	42.68	32.48	-257.04
Macon, GA	Ozone	Maintenance	100	-	141.61	107.75	-852.81
Macon, GA	PM _{2.5}	Nonattainment	100	-	139.94	106.48	-842.74
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	1.94	1.48	-11.71
Madison, WI	SO _x	Maintenance	100	-	196.00	149.14	-1,180.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	8.90	6.77	-53.61
Manchester, NH	CO	Maintenance	100	-	52.27	39.77	-314.77
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	71.10	54.10	-428.18
Marion County, IN	SO _x	Maintenance	100	-	216.35	164.62	-1,302.88
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	95.80	72.89	-576.91
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	233.50	177.67	-1,406.13
Mason County, MI	Ozone	Maintenance	100	-	19.54	14.87	-117.70
Medford, OR	CO	Maintenance	100	-	63.45	48.28	-382.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	152.19	115.80	-916.51
Memphis, TN-AR	Ozone	Maintenance	100	-	664.12	507.36	-4,082.16
Memphis, TN	CO	Maintenance	100	-	611.43	467.27	-3,764.87
Miami (Gila County), AZ	SO _x	Maintenance	100	-	23.55	17.92	-141.84

Appendix B

Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	3.47	2.64	-20.91
Milwaukee, WI	SO _x	Maintenance	100	-	368.22	280.18	-2,217.45
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,314.96	1,000.54	-7,918.76
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1,481.81	1,179.62	-11,041.33
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2,110.21	1,605.84	-12,715.71
Missoula, MT	CO	Maintenance	100	-	44.85	34.22	-273.94
Missoula, MT	PM ₁₀	Moderate	100	-	43.42	33.13	-265.20
Modesto, CA	CO	Maintenance	100	-	256.83	195.42	-1,546.64
Mohave County, AZ	PM ₁₀	Maintenance	100	-	87.10	66.28	-524.54
Mono Basin, CA	PM ₁₀	Moderate	100	-	1.24	0.95	-7.50
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	2.33	1.77	-14.02
Morristown, NJ	CO	Maintenance	100	-	26.59	20.24	-160.15
Muhlenberg County, KY	SO _x	Maintenance	100	-	19.90	15.14	-119.84
Muncie, IN	Ozone	Maintenance	100	-	75.81	57.68	-456.51
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	3.53	2.69	-21.27
Muscatine County, IA	SO _x	Maintenance	100	-	11.22	8.54	-67.59
Muskegon, MI	Ozone	Maintenance	100	-	95.16	72.41	-573.25
Nashua, NH	CO	Maintenance	100	-	42.09	32.03	-253.49
Nashville, TN	Ozone	Former Subpart 1	50	-	1,249.67	950.93	-7,528.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	127.07	96.69	-765.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	109.90	83.62	-661.84
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	554.74	422.10	-3,340.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	4.05	3.08	-24.38
New York County, NY	PM ₁₀	Moderate	100	-	309.79	235.72	-1,865.58
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5,576.65	4,245.26	-33,665.30
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10,779.15	8,204.83	-65,036.51
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10,683.15	8,131.78	-64,458.35
Nogales, AZ	PM ₁₀	Moderate	100	-	30.87	23.49	-185.89

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-923.75	-547.87	-734.76
Ogden, UT	CO	Maintenance	100	-	49.77	37.87	-299.71
Ogden, UT	PM ₁₀	Moderate	100	-	49.77	37.87	-299.72
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.50	1.14	-9.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	14.17	10.78	-85.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	85.10	64.75	-512.46
Owens Valley, CA	PM ₁₀	Serious	70	-	3.32	2.53	-19.99
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.14	0.11	-0.85
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	101.52	77.24	-611.34
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	102.23	77.79	-615.64
Payson, AZ	PM ₁₀	Maintenance	100	-	15.15	11.53	-91.22
Penns Grove, NJ	CO	Maintenance	100	-	0.34	0.26	-2.05
Peoria, IL	SO _x	Maintenance	100	-	69.04	52.54	-416.09
Perth Amboy, NJ	CO	Maintenance	100	-	51.61	40.26	-350.99
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	261.44	198.93	-1,574.44
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2,796.67	2,157.01	-18,021.68
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4,318.19	3,314.75	-27,185.41
Phoenix, AZ	CO	Maintenance	100	-	4,150.60	3,158.23	-24,997.64
Phoenix, AZ	PM ₁₀	Serious	70	-	4,264.52	3,244.90	-25,683.68
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4,276.71	3,254.18	-25,757.11
Pierce County, WA	PM ₁₀	Maintenance	100	-	7.33	5.58	-44.15
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.77	0.59	-4.67
Pittsburgh, PA	CO	Maintenance	100	-	19.20	14.61	-115.67
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,407.24	1,070.81	-8,476.60
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,284.96	977.77	-7,740.22
Polk County, TN	SO _x	Maintenance	100	-	14.96	11.38	-90.08
Polson, MT	PM ₁₀	Moderate	100	-	2.39	1.82	-14.41
Portland, ME	Ozone	Maintenance	100	-	408.83	311.24	-2,468.67

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	835.99	636.25	-5,040.53
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	30.96	23.56	-186.46
Poughkeepsie, NY	Ozone	Moderate	50	-	1,088.63	828.33	-6,555.79
Presque Isle, ME	PM ₁₀	Maintenance	100	-	6.22	4.74	-37.48
Providence (entire State), RI	Ozone	Moderate	50	-	732.75	557.75	-4,421.09
Provo, UT	CO	Maintenance	100	-	130.14	99.02	-783.72
Raleigh-Durham, NC	CO	Maintenance	100	-	1,021.07	776.96	-6,150.46
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1,387.93	1,056.10	-8,359.71
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.27	0.97	-7.70
Reading, PA	Ozone	Maintenance	100	-	240.30	182.85	-1,447.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	240.30	182.85	-1,447.13
Reno, NV	CO	Maintenance	100	-	179.06	136.24	-1,078.29
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.85	0.64	-5.09
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	889.71	677.03	-5,360.00
Rillito, AZ	PM ₁₀	Moderate	100	-	40.32	30.68	-242.80
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	544.70	414.46	-3,280.23
Roanoke, VA	Ozone	Former Subpart 1	50	-	184.70	140.54	-1,112.30
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	60.52	46.05	-364.47
Rochester, NY	Ozone	Former Subpart 1	50	-	967.50	736.16	-5,826.33
Rocky Mount, NC	Ozone	Maintenance	100	-	130.22	99.09	-784.21
Rome, GA	PM _{2.5}	Nonattainment	100	-	85.95	65.40	-517.58
Ronan, MT	PM ₁₀	Moderate	100	-	0.91	0.69	-5.50
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	1.75	1.33	-10.57
Sacramento County, CA	PM ₁₀	Moderate	100	-	1,244.33	946.80	-7,493.43
Sacramento Metro, CA	Ozone	Severe	25	-	2,278.92	1,734.28	-13,734.58
Sacramento, CA	CO	Maintenance	100	-	1,398.29	1,063.98	-8,421.88
Salem, OR	CO	Maintenance	100	-	93.47	71.12	-562.91
Salt Lake City, UT	CO	Maintenance	100	-	152.69	116.77	-943.55

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	764.97	582.65	-4,630.74
Salt Lake County, UT	SO _x	Nonattainment	100	-	772.83	588.04	-4,654.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,414.01	1,075.97	-8,517.63
San Bernardino County, CA	PM ₁₀	Moderate	100	-	334.25	254.33	-2,012.85
San Diego, CA	CO	Maintenance	100	-	3,382.34	2,573.60	-20,368.71
San Diego, CA	Ozone	Former Subpart 1	50	-	3,388.80	2,578.52	-20,407.60
San Francisco Bay Area, CA	Ozone	Marginal	50	-	4,895.83	3,733.41	-29,816.34
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5,533.25	4,218.42	-33,654.96
San Joaquin Valley, CA	Ozone	Extreme	10	-	3,743.01	2,848.43	-22,556.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3,754.44	2,857.13	-22,625.81
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3,743.01	2,848.43	-22,556.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	27.00	20.54	-162.58
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.49	0.38	-2.98
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	483.78	368.10	-2,913.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	2,290.16	1,742.57	-13,791.50
Sheboygan, WI	Ozone	Moderate	50	-	89.00	67.72	-535.95
Sheridan, WY	PM ₁₀	Moderate	100	-	15.51	11.80	-93.41
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Somerville, NJ	CO	Maintenance	100	-	13.11	9.97	-78.93
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	326.85	248.71	-1,968.70
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	108.07	82.23	-650.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	226.51	172.35	-1,364.07
Spokane, WA	CO	Maintenance	100	-	224.01	170.44	-1,348.98
Springfield (western MA), MA	Ozone	Moderate	50	-	644.32	490.35	-3,883.69
Springfield, MA	CO	Maintenance	100	-	107.16	81.57	-646.75
St. Louis, MO	CO	Maintenance	100	-	594.10	452.05	-3,577.72
St. Louis, MO-IL	Ozone	Moderate	50	-	1,958.86	1,498.93	-12,139.64
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,945.18	1,488.52	-12,057.23

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Table B.1-179							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	131.17	99.80	-789.90
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	15.81	12.03	-95.21
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	28.48	21.67	-171.50
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	57.94	44.53	-366.99
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	57.94	44.53	-366.99
Stockton, CA	CO	Maintenance	100	-	387.91	295.16	-2,336.00
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	360.20	274.07	-2,169.14
Telluride, CO	PM ₁₀	Maintenance	100	-	1.39	1.06	-8.39
Terre Haute, IN	Ozone	Maintenance	100	-	87.10	66.27	-524.53
Tioga County, PA	Ozone	Maintenance	100	-	38.44	29.25	-231.51
Toledo, OH	Ozone	Maintenance	100	-	216.87	177.55	-1,815.12
Toms River, NJ	CO	Maintenance	100	-	79.65	60.60	-479.63
Tooele County, UT	SO _x	Nonattainment	100	-	75.86	57.72	-456.82
Trenton, NJ	CO	Maintenance	100	-	65.23	49.63	-392.80
Trona, CA	PM ₁₀	Moderate	100	-	2.61	1.98	-15.71
Tucson, AZ	CO	Maintenance	100	-	773.89	588.85	-4,660.42
Utah County, UT	PM ₁₀	Moderate	100	-	377.69	287.38	-2,274.49
Vancouver, WA	CO	Maintenance	100	-	251.44	191.32	-1,514.19
Ventura County, CA	Ozone	Serious	50	-	686.38	522.47	-4,141.78
Vermillion County, IN	PM ₁₀	Maintenance	100	-	4.85	3.69	-29.21
Vigo County, IN	SO _x	Maintenance	100	-	87.10	66.27	-524.53
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	40.56	30.86	-244.27
Warren County, NJ	SO _x	Maintenance	100	-	26.57	20.21	-159.98
Warren County, PA	SO _x	Nonattainment	100	-	9.40	7.16	-57.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	152.41	115.97	-917.84
Washington, DC-MD-VA	CO	Maintenance	100	-	1,163.33	885.17	-7,005.64

Appendix B

Table B.1-179
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4,163.64	3,168.08	-25,073.74
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4,071.46	3,097.95	-24,518.64
Washoe County, NV	PM ₁₀	Serious	70	-	179.06	136.24	-1,078.29
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	2.88	2.19	-17.36
Wayne County, IN	SO _x	Maintenance	100	-	46.91	35.69	-282.48
Wayne County, MI	PM ₁₀	Maintenance	100	-	49.03	38.23	-332.85
Weirton, WV	PM ₁₀	Maintenance	100	-	5.90	4.49	-35.54
Weirton, WV	SO _x	Maintenance	100	-	7.88	5.99	-47.43
Wheeling, WV-OH	Ozone	Maintenance	100	-	98.11	74.65	-590.82
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	98.11	74.65	-590.82
Winston-Salem, NC	CO	Maintenance	100	-	302.85	230.44	-1,823.78
Worcester, MA	CO	Maintenance	100	-	169.72	129.14	-1,022.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	69.31	52.74	-417.38
Yakima, WA	CO	Maintenance	100	-	31.23	23.76	-188.07
York, PA	Ozone	Maintenance	100	-	335.79	255.50	-2,022.16
York, PA	PM _{2.5}	Nonattainment	100	-	260.36	198.11	-1,567.93
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	429.72	326.97	-2,587.80
Yuma, AZ	PM ₁₀	Moderate	100	-	147.90	112.54	-890.69

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

Appendix B

Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	3.68	3.26	-8.85
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	9.43	8.36	-22.67
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	9.78	8.67	-23.51
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2,895.22	2,567.43	-6,962.88
Albuquerque, NM	CO	Maintenance	100	-	1,301.92	1,154.48	-3,130.83
Allegan County, MI	Ozone	Former Subpart 1	50	-	367.02	325.45	-882.59
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1,328.94	1,178.58	-3,196.65
Altoona, PA	Ozone	Maintenance	100	-	197.12	174.80	-474.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	523.80	464.49	-1,259.63
Anchorage, AK	CO	Maintenance	100	-	352.73	312.79	-848.24
Anthony, NM	PM ₁₀	Moderate	100	-	16.00	14.19	-38.49
Armstrong County, PA	SO _x	Nonattainment	100	-	11.03	9.79	-26.54
Aspen, CO	PM ₁₀	Maintenance	100	-	17.23	15.28	-41.43
Atlanta, GA	Ozone	Moderate	50	-	16,389.87	14,534.08	-39,415.86
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	16,395.10	14,538.72	-39,428.45
Atlantic City, NJ	CO	Maintenance	100	-	107.10	94.97	-257.56
Bakersfield, CA	CO	Maintenance	100	-	1,094.48	971.81	-2,639.79
Baltimore, MD	CO	Maintenance	100	-	20.76	18.43	-50.07
Baltimore, MD	Ozone	Moderate	50	-	7,059.49	6,260.70	-16,980.60
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	7,059.39	6,260.61	-16,980.35
Baton Rouge, LA	Ozone	Moderate	50	-	574.59	646.28	-2,215.55
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-68.37	56.74	-551.14
Benton County, TN	SO _x	Maintenance	100	-	2.21	1.96	-5.32
Benton Harbor, MI	Ozone	Maintenance	100	-	334.85	296.95	-805.34
Benzie County, MI	Ozone	Maintenance	100	-	63.29	56.13	-152.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	349.31	309.75	-840.01
Billings, MT	CO	Maintenance	100	-	-16.28	9.06	-104.13
Birmingham, AL	Ozone	Maintenance	100	-	2,115.97	1,877.33	-5,094.46
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	2,123.80	1,884.28	-5,113.30

Appendix B

Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	787.02	698.19	-1,894.39
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	787.02	698.19	-1,894.39
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	46.09	40.87	-110.83
Boston, MA	CO	Maintenance	100	-	1,856.49	1,646.25	-4,464.43
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	11,514.98	10,210.93	-27,690.89
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1,537.30	1,363.21	-3,696.86
Boyd County (part), KY	SO _x	Maintenance	100	-	19.42	17.22	-46.69
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2,454.68	2,176.69	-5,902.94
Burlington, NJ	CO	Maintenance	100	-	10.21	9.05	-24.55
Butte, MT	PM ₁₀	Moderate	100	-	36.79	32.62	-88.47
Canon City, CO	PM ₁₀	Maintenance	100	-	52.79	46.81	-126.95
Canton-Massillon, OH	Ozone	Maintenance	100	-	551.92	495.34	-1,363.39
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	551.92	495.34	-1,363.39
Case County, MI	Ozone	Maintenance	100	-	91.85	81.45	-220.88
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	1.85	1.64	-4.44
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	10.75	9.53	-25.85
Charleston, WV	Ozone	Maintenance	100	-	524.99	465.54	-1,262.48
Charleston, WV	PM _{2.5}	Nonattainment	100	-	524.99	465.54	-1,262.48
Charlotte, NC	CO	Maintenance	100	-	1,826.57	1,619.72	-4,392.49
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3,991.60	3,539.56	-9,598.87
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1,161.70	1,030.15	-2,793.68
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1,076.20	954.33	-2,588.07
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	15,143.39	13,606.09	-37,499.53
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	15,699.54	14,099.26	-38,836.93
Chico, CA	CO	Maintenance	100	-	338.30	299.99	-813.53
Chico, CA	Ozone	Former Subpart 1	50	-	708.71	628.45	-1,704.29
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	4,432.47	3,930.50	-10,659.07
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	4,289.26	3,803.51	-10,314.70
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	22.58	20.03	-54.33

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	4,056.25	3,596.88	-9,754.34
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	627.12	556.10	-1,508.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	382.24	338.95	-919.19
Cleveland, OH	CO	Maintenance	100	-	1,724.90	1,529.56	-4,147.99
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	5,413.25	4,800.21	-13,017.61
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	4,950.07	4,389.49	-11,903.79
Coachella Valley, CA	PM ₁₀	Serious	70	-	1,856.08	1,645.89	-4,463.46
Colbert County, AL	SO _x	Maintenance	100	-	108.69	96.38	-261.38
Colorado Springs, CO	CO	Maintenance	100	-	1,501.39	1,332.39	-3,616.75
Columbia Falls, MT	PM ₁₀	Moderate	100	-	14.46	12.82	-34.77
Columbia, SC	Ozone	Former Subpart 1	50	-	1,469.41	1,303.00	-3,533.59
Columbus, OH	Ozone	Maintenance	100	-	4,165.14	3,693.44	-10,016.19
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3,879.21	3,439.90	-9,328.61
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	4.93	4.38	-11.90
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.50	0.44	-1.20
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1,724.91	1,529.56	-4,148.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	1,487.21	1,318.79	-3,576.40
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	17,856.87	15,835.30	-42,945.87
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1,694.60	1,502.69	-4,075.13
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1,488.07	1,319.55	-3,578.47
Denver Metro, CO	PM ₁₀	Maintenance	100	-	7,370.90	6,549.42	-17,806.19
Denver-Boulder, CO	CO	Maintenance	100	-	7,039.78	6,255.81	-17,009.94
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	8,918.07	7,921.41	-21,526.93
Detroit, MI	CO	Maintenance	100	-	2,647.59	2,353.32	-6,400.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	10,186.72	9,039.94	-24,538.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	9,994.32	8,869.33	-24,075.77
Door County, WI	Ozone	Former Subpart 1	50	-	88.81	78.75	-213.57
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	73.46	65.14	-176.66
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	60.53	53.67	-145.56

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	160.85	142.63	-386.80
Eagle River, AK	PM ₁₀	Moderate	100	-	22.70	20.13	-54.58
East Chicago, IN	CO	Maintenance	100	-	1.98	1.75	-4.76
East Chicago, IN	PM ₁₀	Maintenance	100	-	-262.94	-142.82	81.53
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	2.24	1.99	-5.40
El Paso County, TX	PM ₁₀	Moderate	100	-	1,085.02	969.25	-2,652.53
El Paso, TX	CO	Maintenance	100	-	67.65	60.00	-162.72
Erie, PA	Ozone	Maintenance	100	-	466.27	413.47	-1,121.27
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	4.16	3.69	-10.01
Eugene-Springfield, OR	CO	Maintenance	100	-	541.98	480.60	-1,303.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	520.76	461.79	-1,252.31
Evansville, IN	Ozone	Maintenance	100	-	547.76	485.73	-1,317.23
Evansville, IN	PM _{2.5}	Nonattainment	100	-	691.38	613.08	-1,662.61
Fairbanks, AK	CO	Maintenance	100	-	44.21	39.20	-106.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	656.01	581.72	-1,577.55
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	18.75	16.62	-45.08
Flint, MI	Ozone	Maintenance	100	-	1,092.46	968.74	-2,627.11
Follansbee, WV	PM ₁₀	Maintenance	100	-	1.42	1.26	-3.41
Fort Collins, CO	CO	Maintenance	100	-	459.81	407.74	-1,105.74
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	1.21	1.07	-2.90
Fort Wayne, IN	Ozone	Maintenance	100	-	814.47	722.23	-1,958.61
Franklin County, PA	Ozone	Maintenance	100	-	353.92	313.84	-851.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	1.52	1.35	-3.66
Frederick County, VA	Ozone	Former Subpart 1	50	-	293.75	260.48	-706.39
Fredericksburg, VA	Ozone	Maintenance	100	-	1,102.90	978.00	-2,652.21
Freehold, NJ	CO	Maintenance	100	-	50.97	45.20	-122.57
Fresno, CA	CO	Maintenance	100	-	1,475.29	1,308.34	-3,548.48
Grand Rapids, MI	Ozone	Maintenance	100	-	1,949.95	1,729.12	-4,689.17
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	75.44	66.90	-181.44

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	4.79	4.25	-11.51
Grants Pass, OR	CO	Maintenance	100	-	1.17	1.04	-2.81
Grants Pass, OR	PM ₁₀	Maintenance	100	-	86.73	76.91	-208.56
Great Falls, MT	CO	Maintenance	100	-	33.55	29.75	-80.67
Greater Connecticut, CT	Ozone	Moderate	50	-	3,467.11	3,074.65	-8,338.71
Greeley, CO	CO	Maintenance	100	-	300.60	266.56	-722.88
Green Bay, WI	SO _x	Maintenance	100	-	279.36	247.72	-671.78
Greene County, IN	Ozone	Maintenance	100	-	107.51	95.34	-258.55
Greene County, PA	Ozone	Maintenance	100	-	93.77	83.15	-225.49
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3,515.29	3,117.42	-8,454.83
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1,705.64	1,512.70	-4,103.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1,858.04	1,647.87	-4,469.64
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	48.58	43.08	-116.82
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	257.69	228.51	-619.68
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2,031.92	1,801.88	-4,886.76
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1,871.95	1,660.03	-4,502.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2,183.71	1,936.59	-5,252.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	26.16	23.20	-62.92
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	104.42	92.60	-251.11
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	11.11	9.85	-26.71
Hazelwood, PA	SO _x	Maintenance	100	-	89.08	79.01	-214.29
Hickory, NC	PM _{2.5}	Nonattainment	100	-	356.54	316.16	-857.39
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	610.61	541.46	-1,468.37
Hollis Township, IL	SO _x	Maintenance	100	-	4.57	4.06	-11.00
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	11,893.81	10,739.28	-29,775.02
Humphreys County, TN	SO _x	Maintenance	100	-	6.13	5.43	-14.74
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-70.50	26.70	-374.41
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-369.97	-238.86	345.75

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	57.72	51.18	-138.80
Imperial County, CA	Ozone	Moderate	50	-	584.02	517.88	-1,404.44
Imperial Valley, CA	PM ₁₀	Serious	70	-	572.29	507.48	-1,376.22
Indian Wells, CA	PM ₁₀	Maintenance	100	-	68.19	60.47	-163.98
Indianapolis, IN	CO	Maintenance	100	-	1.57	1.39	-3.77
Indianapolis, IN	Ozone	Maintenance	100	-	4,727.18	4,191.84	-11,367.79
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3,762.33	3,336.26	-9,047.55
Jackson County, IN	Ozone	Maintenance	100	-	168.17	149.13	-404.41
Jamestown, NY	Ozone	Former Subpart 1	50	-	328.97	291.71	-791.09
Jefferson County, NY	Ozone	Moderate	50	-	267.73	237.41	-643.82
Jefferson County, OH	PM ₁₀	Maintenance	100	-	12.77	11.32	-30.70
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	446.82	396.22	-1,074.49
Johnstown, PA	Ozone	Maintenance	100	-	163.49	144.97	-393.15
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	180.06	159.66	-432.99
Juneau, AK	PM ₁₀	Moderate	100	-	31.08	27.56	-74.75
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1,073.29	951.74	-2,581.02
Kalispell, MT	PM ₁₀	Moderate	100	-	75.66	67.09	-181.94
Kansas City, MO-KS	Ozone	Maintenance	100	-	3,949.02	3,502.56	-9,501.10
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	343.81	304.87	-826.78
Kent, WA	PM ₁₀	Maintenance	100	-	66.02	58.55	-158.77
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	178.39	158.19	-428.99
Kewaunee County, WI	Ozone	Maintenance	100	-	51.15	45.36	-123.01
King County, WA	PM ₁₀	Maintenance	100	-	25.31	22.44	-60.86
Klamath Falls, OR	CO	Maintenance	100	-	102.45	90.85	-246.37
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	102.45	90.85	-246.37
Knoxville, TN	Ozone	Former Subpart 1	50	-	2,982.58	2,644.81	-7,172.43
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2,248.91	1,994.23	-5,408.11
La Porte County, IN	SO _x	Maintenance	100	-	67.17	59.56	-161.52
LaGrande, OR	PM ₁₀	Maintenance	100	-	32.77	29.06	-78.80

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	600.37	532.62	-1,445.19
Lake County, OH	SO _x	Maintenance	100	-	74.89	66.41	-180.08
Lake County, OR	PM ₁₀	Maintenance	100	-	12.12	10.75	-29.15
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	94.51	83.81	-227.27
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	215.14	190.78	-517.37
Lake Tahoe, NV	CO	Maintenance	100	-	43.26	38.36	-104.03
Lamar, CO	PM ₁₀	Maintenance	100	-	18.46	16.37	-44.38
Lame Deer, MT	PM ₁₀	Moderate	100	-	2.51	2.23	-6.04
Lancaster, PA	Ozone	Maintenance	100	-	1,029.34	912.87	-2,475.94
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1,029.34	912.87	-2,475.94
Lane County, OR	PM ₁₀	Moderate	100	-	2.40	2.13	-5.78
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1,051.70	932.59	-2,529.09
LaPorte, IN	Ozone	Maintenance	100	-	186.28	165.18	-447.95
Las Vegas, NV	CO	Serious	100	-	4,056.25	3,596.88	-9,754.34
Las Vegas, NV	Ozone	Former Subpart 1	50	-	4,098.28	3,634.16	-9,855.42
Lauderdale County, AL	SO _x	Maintenance	100	-	175.44	155.57	-421.90
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	3.64	3.23	-8.76
Libby, MT	PM ₁₀	Moderate	100	-	8.23	7.30	-19.80
Libby, MT	PM _{2.5}	Nonattainment	100	-	10.98	9.74	-26.40
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	22.58	20.03	-54.32
Lima, OH	Ozone	Maintenance	100	-	99.53	104.71	-339.64
Longmont, CO	CO	Maintenance	100	-	244.68	216.97	-588.40
Lorain County, OH	SO _x	Maintenance	100	-	101.99	90.44	-245.26
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	36,250.02	32,285.81	-88,032.75
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	36,250.02	32,285.80	-88,032.73
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	36,250.02	32,285.80	-88,032.73
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	36,250.24	32,286.00	-88,033.27
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	36,248.39	32,284.36	-88,028.82
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	1,721.91	1,526.91	-4,140.80

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Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	2,389.86	2,119.22	-5,747.08
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2,272.31	2,014.97	-5,464.38
Lowell, MA	CO	Maintenance	100	-	276.54	245.22	-665.01
Lucas County, OH	SO _x	Maintenance	100	-	582.81	516.81	-1,401.52
Lyons Township, IL	PM ₁₀	Maintenance	100	-	121.90	108.09	-293.14
Macon, GA	Ozone	Maintenance	100	-	399.59	354.34	-960.93
Macon, GA	PM _{2.5}	Nonattainment	100	-	394.37	349.70	-948.36
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	5.45	4.83	-13.09
Madison, WI	SO _x	Maintenance	100	-	641.28	568.66	-1,542.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	33.53	29.73	-80.63
Manchester, NH	CO	Maintenance	100	-	142.59	126.44	-342.90
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	208.08	184.51	-500.38
Marion County, IN	SO _x	Maintenance	100	-	623.76	553.12	-1,500.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	326.12	289.18	-784.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	709.56	629.21	-1,706.34
Mason County, MI	Ozone	Maintenance	100	-	60.03	53.23	-144.36
Medford, OR	CO	Maintenance	100	-	210.32	186.50	-505.78
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	507.45	449.98	-1,220.31
Memphis, TN-AR	Ozone	Maintenance	100	-	1,938.56	1,726.80	-4,709.19
Memphis, TN	CO	Maintenance	100	-	1,794.08	1,598.67	-4,361.73
Miami (Gila County), AZ	SO _x	Maintenance	100	-	77.00	68.28	-185.18
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	9.40	8.34	-22.61
Milwaukee, WI	SO _x	Maintenance	100	-	1,079.30	957.07	-2,595.47
Milwaukee-Racine, WI	Ozone	Moderate	50	-	4,026.24	3,570.27	-9,682.17
Minneapolis-St Paul, MN	CO	Maintenance	100	-	5,275.44	4,876.89	-13,898.76
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	6,574.37	5,830.56	-15,814.27
Missoula, MT	CO	Maintenance	100	-	140.31	124.76	-339.47

Appendix B

Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	135.73	120.69	-328.40
Modesto, CA	CO	Maintenance	100	-	852.37	755.84	-2,049.75
Mohave County, AZ	PM ₁₀	Maintenance	100	-	295.00	261.59	-709.40
Mono Basin, CA	PM ₁₀	Moderate	100	-	4.21	3.73	-10.12
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	6.76	6.00	-16.26
Morristown, NJ	CO	Maintenance	100	-	90.39	80.15	-217.36
Muhlenberg County, KY	SO _x	Maintenance	100	-	56.95	50.50	-136.95
Muncie, IN	Ozone	Maintenance	100	-	206.92	183.49	-497.59
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	12.99	11.52	-31.23
Muscatine County, IA	SO _x	Maintenance	100	-	34.94	30.98	-84.02
Muskegon, MI	Ozone	Maintenance	100	-	290.46	257.58	-698.58
Nashua, NH	CO	Maintenance	100	-	116.45	103.26	-280.03
Nashville, TN	Ozone	Former Subpart 1	50	-	3,933.81	3,488.55	-9,461.34
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	448.71	397.89	-1,079.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	364.32	323.06	-876.10
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1,629.40	1,444.88	-3,918.35
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	12.05	10.68	-28.97
New York County, NY	PM ₁₀	Moderate	100	-	877.56	778.17	-2,110.32
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	16,654.04	14,775.73	-40,096.25
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	32,644.34	28,959.05	-78,572.92
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	32,342.28	28,691.19	-77,846.52
Nogales, AZ	PM ₁₀	Moderate	100	-	96.28	85.38	-231.53
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-1,050.24	-339.85	-1,080.35
Ogden, UT	CO	Maintenance	100	-	146.86	130.23	-353.17
Ogden, UT	PM ₁₀	Moderate	100	-	146.87	130.23	-353.18
Oglesby, IL	PM ₁₀	Maintenance	100	-	3.74	3.32	-9.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	38.80	34.40	-93.30
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	275.39	244.21	-662.26

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	13.06	11.58	-31.41
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.50	0.44	-1.19
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	296.36	262.80	-712.67
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	298.65	264.83	-718.19
Payson, AZ	PM ₁₀	Maintenance	100	-	48.04	42.60	-115.54
Penns Grove, NJ	CO	Maintenance	100	-	1.02	0.90	-2.44
Peoria, IL	SO _x	Maintenance	100	-	199.63	177.05	-480.24
Perth Amboy, NJ	CO	Maintenance	100	-	194.98	176.67	-491.90
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	730.92	648.15	-1,757.70
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	8,664.51	7,794.06	-21,511.61
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	13,284.47	11,890.91	-32,622.10
Phoenix, AZ	CO	Maintenance	100	-	14,469.92	12,831.44	-34,798.07
Phoenix, AZ	PM ₁₀	Serious	70	-	14,837.89	13,157.74	-35,682.98
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	14,874.03	13,189.78	-35,769.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	20.09	17.82	-48.31
Pinehurst, ID	PM ₁₀	Moderate	100	-	1.87	1.66	-4.50
Pittsburgh, PA	CO	Maintenance	100	-	71.29	63.23	-171.50
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	4,124.02	3,657.18	-9,918.53
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	3,765.23	3,339.03	-9,055.73
Polk County, TN	SO _x	Maintenance	100	-	44.39	39.36	-106.75
Polson, MT	PM ₁₀	Moderate	100	-	8.11	7.20	-19.51
Portland, ME	Ozone	Maintenance	100	-	1,242.36	1,102.27	-2,991.27
Portland, OR	CO	Maintenance	100	-	2,514.75	2,230.53	-6,050.90
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	90.73	80.46	-218.19
Poughkeepsie, NY	Ozone	Moderate	50	-	3,542.24	3,141.08	-8,518.26
Presque Isle, ME	PM ₁₀	Maintenance	100	-	17.55	15.57	-42.21
Providence (entire State), RI	Ozone	Moderate	50	-	2,268.72	2,012.58	-5,460.56
Provo, UT	CO	Maintenance	100	-	423.28	375.35	-1,017.89
Raleigh-Durham, NC	CO	Maintenance	100	-	3,278.00	2,906.90	-7,883.61

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	4,444.31	3,941.13	-10,688.31
Ramsey County, MN	PM ₁₀	Maintenance	100	-	3.48	3.08	-8.37
Reading, PA	Ozone	Maintenance	100	-	721.07	639.41	-1,734.00
Reading, PA	PM _{2.5}	Nonattainment	100	-	721.07	639.41	-1,734.00
Reno, NV	CO	Maintenance	100	-	544.24	482.61	-1,308.77
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	3.25	2.89	-7.83
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2,689.33	2,384.95	-6,468.34
Rillito, AZ	PM ₁₀	Moderate	100	-	135.41	120.07	-325.62
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1,856.08	1,645.89	-4,463.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	542.45	481.02	-1,304.47
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	187.82	166.55	-451.67
Rochester, NY	Ozone	Former Subpart 1	50	-	2,908.80	2,579.39	-6,995.01
Rocky Mount, NC	Ozone	Maintenance	100	-	380.73	337.61	-915.56
Rome, GA	PM _{2.5}	Nonattainment	100	-	256.10	227.10	-615.86
Ronan, MT	PM ₁₀	Moderate	100	-	3.04	2.70	-7.32
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	5.04	4.47	-12.13
Sacramento County, CA	PM ₁₀	Moderate	100	-	4,175.07	3,702.25	-10,040.09
Sacramento Metro, CA	Ozone	Severe	25	-	7,739.81	6,864.24	-18,618.20
Sacramento, CA	CO	Maintenance	100	-	4,698.17	4,166.22	-11,298.68
Salem, OR	CO	Maintenance	100	-	277.05	245.68	-666.25
Salt Lake City, UT	CO	Maintenance	100	-	484.63	432.01	-1,179.20
Salt Lake County, UT	PM ₁₀	Moderate	100	-	2,381.92	2,114.43	-5,741.73
Salt Lake County, UT	SO _x	Nonattainment	100	-	2,398.98	2,127.30	-5,768.99
San Antonio, TX	Ozone	Former Subpart 1	50	-	4,441.09	3,938.36	-10,681.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1,046.35	927.86	-2,516.24
San Diego, CA	CO	Maintenance	100	-	11,175.33	9,909.75	-26,874.12
San Diego, CA	Ozone	Former Subpart 1	50	-	11,197.37	9,929.29	-26,927.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	15,818.97	14,058.81	-38,231.84

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	17,771.86	15,790.54	-42,928.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	12,482.55	11,070.43	-30,026.86
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	12,509.83	11,094.63	-30,092.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	12,482.55	11,070.43	-30,026.86
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	88.05	78.08	-211.74
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	1.47	1.31	-3.54
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1,454.56	1,289.84	-3,497.89
Seattle-Tacoma, WA	CO	Maintenance	100	-	7,224.12	6,406.00	-17,372.35
Sheboygan, WI	Ozone	Moderate	50	-	275.84	244.60	-663.33
Sheridan, WY	PM ₁₀	Moderate	100	-	45.87	40.67	-110.30
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.03	0.02	-0.07
Somerville, NJ	CO	Maintenance	100	-	40.72	36.10	-97.91
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	983.50	872.16	-2,365.32
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	262.75	233.00	-631.88
Spokane County, WA	PM ₁₀	Maintenance	100	-	711.46	630.89	-1,710.91
Spokane, WA	CO	Maintenance	100	-	703.05	623.43	-1,690.66
Springfield (western MA), MA	Ozone	Moderate	50	-	1,938.61	1,719.40	-4,663.94
Springfield, MA	CO	Maintenance	100	-	340.18	301.80	-818.94
St. Louis, MO	CO	Maintenance	100	-	1,607.58	1,425.52	-3,865.85
St. Louis, MO-IL	Ozone	Moderate	50	-	5,803.71	5,178.68	-14,153.08
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	5,763.60	5,143.11	-14,056.62
State College, PA	Ozone	Maintenance	100	-	414.96	367.97	-997.88
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	54.41	48.24	-130.83
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	79.21	70.24	-190.48
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	164.53	147.59	-406.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	164.53	147.59	-406.00
Stockton, CA	CO	Maintenance	100	-	1,324.22	1,174.25	-3,184.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.02
Syracuse, NY	CO	Maintenance	100	-	1,053.91	934.55	-2,534.40

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	5.22	4.63	-12.56
Terre Haute, IN	Ozone	Maintenance	100	-	240.59	213.34	-578.56
Tioga County, PA	Ozone	Maintenance	100	-	109.46	97.06	-263.23
Toledo, OH	Ozone	Maintenance	100	-	756.79	718.90	-2,111.41
Toms River, NJ	CO	Maintenance	100	-	264.60	234.64	-636.31
Tooele County, UT	SO _x	Nonattainment	100	-	235.89	209.18	-567.27
Trenton, NJ	CO	Maintenance	100	-	201.57	178.74	-484.73
Trona, CA	PM ₁₀	Moderate	100	-	8.75	7.76	-21.04
Tucson, AZ	CO	Maintenance	100	-	2,474.50	2,194.27	-5,950.61
Utah County, UT	PM ₁₀	Moderate	100	-	1,207.99	1,071.19	-2,904.94
Vancouver, WA	CO	Maintenance	100	-	823.91	730.60	-1,981.31
Ventura County, CA	Ozone	Serious	50	-	2,282.50	2,024.79	-5,493.67
Vermillion County, IN	PM ₁₀	Maintenance	100	-	13.58	12.05	-32.67
Vigo County, IN	SO _x	Maintenance	100	-	240.59	213.34	-578.56
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	121.75	107.96	-292.78
Warren County, NJ	SO _x	Maintenance	100	-	81.56	72.32	-196.13
Warren County, PA	SO _x	Nonattainment	100	-	25.78	22.91	-62.31
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	454.88	403.36	-1,093.87
Washington, DC-MD-VA	CO	Maintenance	100	-	3,688.56	3,270.84	-8,870.14
Washington, DC-MD-VA	Ozone	Moderate	50	-	13,217.65	11,720.78	-31,785.42
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	12,911.43	11,449.24	-31,049.03
Washoe County, NV	PM ₁₀	Serious	70	-	544.24	482.61	-1,308.77
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	8.41	7.46	-20.23
Wayne County, IN	SO _x	Maintenance	100	-	128.63	114.06	-309.32
Wayne County, MI	PM ₁₀	Maintenance	100	-	245.14	221.16	-612.54
Weirton, WV	PM ₁₀	Maintenance	100	-	13.35	11.84	-32.10
Weirton, WV	SO _x	Maintenance	100	-	18.84	16.70	-45.30
Wheeling, WV-OH	Ozone	Maintenance	100	-	268.76	238.32	-646.31

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Table B.1-180							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	268.76	238.32	-646.31
Winston-Salem, NC	CO	Maintenance	100	-	926.17	821.29	-2,227.24
Worcester, MA	CO	Maintenance	100	-	551.12	488.71	-1,325.32
Yakima County, WA	PM ₁₀	Maintenance	100	-	212.65	188.57	-511.38
Yakima, WA	CO	Maintenance	100	-	104.95	93.06	-252.38
York, PA	Ozone	Maintenance	100	-	1,047.30	928.70	-2,518.52
York, PA	PM _{2.5}	Nonattainment	100	-	810.10	718.36	-1,948.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1,207.39	1,070.65	-2,903.49
Yuma, AZ	PM ₁₀	Moderate	100	-	481.24	426.74	-1,157.28

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.02	0.08
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	4.39	5.79	24.05
Albuquerque, NM	CO	Maintenance	100	-	2.14	2.83	11.35
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.52	0.68	2.73
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.97	2.60	11.05
Altoona, PA	Ozone	Maintenance	100	-	0.38	0.50	2.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.56	0.74	2.95
Anchorage, AK	CO	Maintenance	100	-	0.50	0.66	2.66
Anthony, NM	PM ₁₀	Moderate	100	-	0.03	0.04	0.15
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.02	0.09
Aspen, CO	PM ₁₀	Maintenance	100	-	0.03	0.03	0.13
Atlanta, GA	Ozone	Moderate	50	-	23.56	31.09	125.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	23.57	31.11	125.98
Atlantic City, NJ	CO	Maintenance	100	-	0.19	0.25	1.00
Bakersfield, CA	CO	Maintenance	100	-	-5.48	-7.11	-5.33
Baltimore, MD	CO	Maintenance	100	-	0.02	0.03	0.16
Baltimore, MD	Ozone	Moderate	50	-	10.11	13.35	55.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	10.11	13.35	55.66
Baton Rouge, LA	Ozone	Moderate	50	-	-205.32	-267.52	-388.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-579.88	-755.65	-1,116.85
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.65	0.86	3.53
Benzie County, MI	Ozone	Maintenance	100	-	0.08	0.10	0.42
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.53	0.69	2.79
Billings, MT	CO	Maintenance	100	-	-68.90	-89.79	-132.40
Birmingham, AL	Ozone	Maintenance	100	-	-2.87	-3.68	6.96

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.86	-3.67	7.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.88	1.17	5.62
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.88	1.17	5.62
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.06	0.08	0.31
Boston, MA	CO	Maintenance	100	-	3.11	4.11	16.49
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	18.48	24.38	97.97
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.33	3.08	12.36
Boyd County (part), KY	SO _x	Maintenance	100	-	0.04	0.05	0.19
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	4.22	5.57	22.36
Burlington, NJ	CO	Maintenance	100	-	0.03	0.04	0.16
Butte, MT	PM ₁₀	Moderate	100	-	0.08	0.10	0.42
Canon City, CO	PM ₁₀	Maintenance	100	-	0.07	0.09	0.36
Canton-Massillon, OH	Ozone	Maintenance	100	-	-22.42	-29.20	-39.72
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-22.42	-29.20	-39.72
Case County, MI	Ozone	Maintenance	100	-	0.16	0.21	0.85
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.03	0.13
Charleston, WV	Ozone	Maintenance	100	-	1.03	1.36	5.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.03	1.36	5.46
Charlotte, NC	CO	Maintenance	100	-	2.62	3.46	13.87
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.88	7.76	31.17
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.96	2.59	10.52
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.78	2.35	9.54
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-357.71	-465.74	-606.49
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-356.85	-464.59	-601.90
Chico, CA	CO	Maintenance	100	-	0.37	0.49	1.96
Chico, CA	Ozone	Former Subpart 1	50	-	0.86	1.14	4.58
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	7.14	9.43	37.85

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Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	6.94	9.16	36.77
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.05	0.06	0.27
Clark County, NV	PM ₁₀	Serious	70	-	5.24	6.92	27.78
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.93	1.22	4.92
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.66	0.87	3.50
Cleveland, OH	CO	Maintenance	100	-	3.50	4.62	18.56
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	9.44	12.45	50.00
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	8.71	11.50	46.17
Coachella Valley, CA	PM ₁₀	Serious	70	-	2.20	2.90	11.63
Colbert County, AL	SO _x	Maintenance	100	-	0.22	0.30	1.19
Colorado Springs, CO	CO	Maintenance	100	-	1.48	1.96	9.88
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	2.36	3.11	12.50
Columbus, OH	Ozone	Maintenance	100	-	5.98	7.89	31.67
Columbus, OH	PM _{2.5}	Nonattainment	100	-	5.54	7.31	29.35
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	3.50	4.62	18.56
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.85	3.77	15.12
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	23.78	31.40	128.85
Dayton-Springfield, OH	Ozone	Maintenance	100	-	3.08	4.07	16.33
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.73	3.60	14.45
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-32.16	-41.73	-26.58
Denver-Boulder, CO	CO	Maintenance	100	-	-32.62	-42.34	-29.01
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-30.00	-38.89	-15.09
Detroit, MI	CO	Maintenance	100	-	-39.22	-51.02	-55.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-40.00	-51.84	-20.81
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-40.31	-52.26	-22.46

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.13	0.17	0.70
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.13	0.17	0.68
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.10	0.13	0.54
Duluth, MN	CO	Maintenance	100	-	0.30	0.40	1.60
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.04	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-254.85	-332.10	-490.47
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-24.70	-32.15	-41.91
El Paso, TX	CO	Maintenance	100	-	0.10	0.14	0.58
Erie, PA	Ozone	Maintenance	100	-	0.84	1.11	4.44
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.83	1.09	4.39
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.79	1.04	4.19
Evansville, IN	Ozone	Maintenance	100	-	0.92	1.22	4.90
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.19	1.57	6.31
Fairbanks, AK	CO	Maintenance	100	-	0.06	0.08	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.07	1.41	5.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.03	0.03	0.13
Flint, MI	Ozone	Maintenance	100	-	1.90	2.51	10.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.62	0.82	3.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.32	1.75	7.01
Franklin County, PA	Ozone	Maintenance	100	-	0.55	0.72	2.90
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.47	0.62	2.51
Fredericksburg, VA	Ozone	Maintenance	100	-	1.45	1.92	7.70

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Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.06	0.08	0.32
Fresno, CA	CO	Maintenance	100	-	1.92	2.53	10.72
Grand Rapids, MI	Ozone	Maintenance	100	-	2.90	3.83	15.39
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.15	0.19	0.80
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.12	0.15	0.61
Great Falls, MT	CO	Maintenance	100	-	0.07	0.10	0.39
Greater Connecticut, CT	Ozone	Moderate	50	-	5.85	7.73	31.58
Greeley, CO	CO	Maintenance	100	-	0.44	0.58	2.33
Green Bay, WI	SO _x	Maintenance	100	-	0.44	0.58	2.35
Greene County, IN	Ozone	Maintenance	100	-	0.18	0.23	0.94
Greene County, PA	Ozone	Maintenance	100	-	0.17	0.22	0.88
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	5.70	7.52	30.93
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.71	3.59	15.13
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	3.06	4.04	17.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.08	0.11	0.44
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.42	0.55	2.21
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.96	3.91	16.04
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.72	3.60	14.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.74	4.94	20.40
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.04	0.05	0.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.14	0.18	0.73
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.02	0.09
Hazelwood, PA	SO _x	Maintenance	100	-	0.13	0.17	0.75
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.66	0.87	3.49
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.08	1.42	5.71
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04

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Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-645.86	-841.33	-1,181.51
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-139.40	-181.64	-265.90
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-139.91	-182.31	-268.59
Huron County, MI	Ozone	Maintenance	100	-	0.10	0.14	0.56
Imperial County, CA	Ozone	Moderate	50	-	0.77	1.01	4.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.75	0.99	3.97
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.12	0.16	0.65
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	7.20	9.50	38.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	5.70	7.52	30.20
Jackson County, IN	Ozone	Maintenance	100	-	0.29	0.38	1.54
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.57	0.75	3.01
Jefferson County, NY	Ozone	Moderate	50	-	0.45	0.59	2.39
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	0.15
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.80	1.05	4.22
Johnstown, PA	Ozone	Maintenance	100	-	0.38	0.51	2.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.42	0.56	2.23
Juneau, AK	PM ₁₀	Moderate	100	-	0.04	0.05	0.20
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.84	2.43	9.78
Kalispell, MT	PM ₁₀	Moderate	100	-	0.10	0.14	0.55
Kansas City, MO-KS	Ozone	Maintenance	100	-	5.24	6.93	30.24
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.51	0.68	2.72
Kent, WA	PM ₁₀	Maintenance	100	-	0.09	0.12	0.47
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.30	0.40	1.59
Kewaunee County, WI	Ozone	Maintenance	100	-	0.09	0.12	0.48
King County, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.19
Klamath Falls, OR	CO	Maintenance	100	-	0.18	0.24	0.96

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.18	0.24	0.96
Knoxville, TN	Ozone	Former Subpart 1	50	-	4.21	5.56	22.33
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	3.28	4.33	17.38
La Porte County, IN	SO _x	Maintenance	100	-	0.13	0.17	0.68
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	0.07	0.29
Lake County, IN	SO _x	Maintenance	100	-	1.00	1.33	5.72
Lake County, OH	SO _x	Maintenance	100	-	0.13	0.17	0.69
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	0.12
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.10	0.13	0.52
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.21	0.28	1.11
Lake Tahoe, NV	CO	Maintenance	100	-	0.07	0.10	0.39
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Lancaster, PA	Ozone	Maintenance	100	-	1.53	2.02	8.43
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.53	2.02	8.43
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.73	2.29	9.18
LaPorte, IN	Ozone	Maintenance	100	-	0.36	0.48	1.91
Las Vegas, NV	CO	Serious	100	-	5.24	6.92	27.78
Las Vegas, NV	Ozone	Former Subpart 1	50	-	5.33	7.03	28.22
Lauderdale County, AL	SO _x	Maintenance	100	-	0.32	0.43	1.72
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.09
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.12
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.27
Lima, OH	Ozone	Maintenance	100	-	-121.53	-158.37	-233.76
Longmont, CO	CO	Maintenance	100	-	0.32	0.42	1.70
Lorain County, OH	SO _x	Maintenance	100	-	0.17	0.22	0.88

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-113.98	-147.64	-37.39
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-113.98	-147.64	-37.39
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-113.98	-147.64	-37.39
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-113.98	-147.64	-37.39
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-113.99	-147.64	-37.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	2.45	3.24	13.00
Louisville, KY-IN	Ozone	Maintenance	100	-	4.13	5.45	21.88
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	4.01	5.29	21.23
Lowell, MA	CO	Maintenance	100	-	0.41	0.54	2.16
Lucas County, OH	SO _x	Maintenance	100	-	1.11	1.46	5.87
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.23	0.30	1.21
Macon, GA	Ozone	Maintenance	100	-	0.78	1.03	4.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.77	1.02	4.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	0.06
Madison, WI	SO _x	Maintenance	100	-	0.86	1.14	4.57
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.04	0.17
Manchester, NH	CO	Maintenance	100	-	0.29	0.38	1.52
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.37	0.49	1.97
Marion County, IN	SO _x	Maintenance	100	-	1.16	1.52	6.12
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.39	0.51	2.05
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.16	1.53	6.13
Mason County, MI	Ozone	Maintenance	100	-	0.10	0.13	0.50
Medford, OR	CO	Maintenance	100	-	0.27	0.36	1.45
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.65	0.86	3.44
Memphis, TN-AR	Ozone	Maintenance	100	-	-29.52	-38.40	-44.70
Memphis, TN	CO	Maintenance	100	-	-29.82	-38.80	-46.29
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.10	0.14	0.55

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.02	0.10
Milwaukee, WI	SO _x	Maintenance	100	-	1.95	2.57	10.33
Milwaukee-Racine, WI	Ozone	Moderate	50	-	6.44	8.50	34.12
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-104.57	-136.10	-167.45
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	9.39	12.40	52.03
Missoula, MT	CO	Maintenance	100	-	-0.10	-0.12	0.56
Missoula, MT	PM ₁₀	Moderate	100	-	-0.09	-0.12	0.54
Modesto, CA	CO	Maintenance	100	-	1.07	1.41	5.66
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.36	0.47	1.90
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.07
Morristown, NJ	CO	Maintenance	100	-	0.11	0.15	0.61
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.11	0.14	0.57
Muncie, IN	Ozone	Maintenance	100	-	0.43	0.57	2.30
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.02	0.02	0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	0.07	0.29
Muskegon, MI	Ozone	Maintenance	100	-	0.45	0.60	2.46
Nashua, NH	CO	Maintenance	100	-	0.23	0.30	1.21
Nashville, TN	Ozone	Former Subpart 1	50	-	5.63	7.43	30.59
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.47	0.62	2.50
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.49	0.65	2.62
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.89	3.81	15.29
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.03	0.12
New York County, NY	PM ₁₀	Moderate	100	-	1.70	2.24	8.99
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-37.96	-49.00	22.76
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-41.56	-53.27	101.23
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-42.01	-53.87	98.85
Nogales, AZ	PM ₁₀	Moderate	100	-	0.15	0.19	0.78

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-69.94	-91.05	-116.03
Ogden, UT	CO	Maintenance	100	-	0.26	0.34	1.37
Ogden, UT	PM ₁₀	Moderate	100	-	0.26	0.34	1.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.08	0.10	0.41
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.38	0.50	2.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.53	0.70	2.83
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.54	0.71	2.84
Payson, AZ	PM ₁₀	Maintenance	100	-	0.07	0.09	0.37
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.20	0.27	1.64
Perth Amboy, NJ	CO	Maintenance	100	-	-28.30	-36.87	-53.82
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.45	1.92	7.71
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-229.56	-298.88	-389.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-222.37	-289.39	-350.25
Phoenix, AZ	CO	Maintenance	100	-	15.59	20.57	83.64
Phoenix, AZ	PM ₁₀	Serious	70	-	16.09	21.24	86.31
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	16.15	21.31	86.62
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.21
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Pittsburgh, PA	CO	Maintenance	100	-	0.07	0.10	0.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	6.97	9.20	38.25
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	6.34	8.37	34.90
Polk County, TN	SO _x	Maintenance	100	-	0.08	0.10	0.41
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Portland, ME	Ozone	Maintenance	100	-	1.46	1.93	9.66

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	3.79	5.01	21.54
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.16	0.21	0.85
Poughkeepsie, NY	Ozone	Moderate	50	-	4.80	6.34	25.46
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	0.05	0.18
Providence (entire State), RI	Ozone	Moderate	50	-	2.82	3.74	17.38
Provo, UT	CO	Maintenance	100	-	0.57	0.75	3.03
Raleigh-Durham, NC	CO	Maintenance	100	-	4.49	5.93	24.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	6.18	8.16	33.18
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	Ozone	Maintenance	100	-	1.21	1.60	6.43
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.21	1.60	6.43
Reno, NV	CO	Maintenance	100	-	0.89	1.17	4.69
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	4.01	5.29	22.73
Rillito, AZ	PM ₁₀	Moderate	100	-	0.17	0.22	0.90
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	2.20	2.90	11.63
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.96	1.27	5.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.29	0.38	1.53
Rochester, NY	Ozone	Former Subpart 1	50	-	4.87	6.43	25.82
Rocky Mount, NC	Ozone	Maintenance	100	-	0.68	0.90	3.62
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.44	0.58	2.32
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	5.17	6.83	27.41
Sacramento Metro, CA	Ozone	Severe	25	-	8.79	11.61	48.03
Sacramento, CA	CO	Maintenance	100	-	5.70	7.52	30.36
Salem, OR	CO	Maintenance	100	-	0.48	0.63	2.54
Salt Lake City, UT	CO	Maintenance	100	-	-12.92	-16.83	-22.44

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.98	-12.95	-6.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.70	4.89	19.62
San Antonio, TX	Ozone	Former Subpart 1	50	-	5.78	7.64	33.55
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.52	2.01	8.06
San Diego, CA	CO	Maintenance	100	-	14.33	18.91	76.49
San Diego, CA	Ozone	Former Subpart 1	50	-	14.36	18.95	76.63
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-327.52	-426.44	-557.23
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-324.46	-422.39	-541.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.47	11.30	69.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.55	11.40	69.92
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.47	11.30	69.54
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.12	0.16	0.62
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.44	3.22	12.91
Seattle-Tacoma, WA	CO	Maintenance	100	-	10.66	14.07	56.50
Sheboygan, WI	Ozone	Moderate	50	-	0.43	0.56	2.26
Sheridan, WY	PM ₁₀	Moderate	100	-	0.08	0.11	0.42
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.06	0.08	0.33
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.43	1.89	8.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.66	0.87	3.50
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.06	1.40	5.62
Spokane, WA	CO	Maintenance	100	-	1.05	1.39	5.57
Springfield (western MA), MA	Ozone	Moderate	50	-	2.96	3.91	16.65
Springfield, MA	CO	Maintenance	100	-	0.41	0.55	2.55
St. Louis, MO	CO	Maintenance	100	-	3.45	4.56	18.31
St. Louis, MO-IL	Ozone	Moderate	50	-	-186.43	-242.76	-324.01
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-186.50	-242.86	-324.39

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.61	0.80	3.23
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.06	0.08	0.33
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.16	0.21	0.84
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.82	-8.88	-11.98
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.82	-8.88	-11.98
Stockton, CA	CO	Maintenance	100	-	1.61	2.12	8.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.89	2.49	10.00
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.49	0.65	2.61
Tioga County, PA	Ozone	Maintenance	100	-	0.21	0.28	1.11
Toledo, OH	Ozone	Maintenance	100	-	-115.62	-150.64	-216.87
Toms River, NJ	CO	Maintenance	100	-	0.35	0.46	1.85
Tooele County, UT	SO _x	Nonattainment	100	-	0.36	0.48	1.92
Trenton, NJ	CO	Maintenance	100	-	0.32	0.42	1.70
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Tucson, AZ	CO	Maintenance	100	-	3.53	4.65	18.68
Utah County, UT	PM ₁₀	Moderate	100	-	1.72	2.27	9.11
Vancouver, WA	CO	Maintenance	100	-	1.09	1.43	5.75
Ventura County, CA	Ozone	Serious	50	-	2.59	3.43	14.86
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.03	0.04	0.14
Vigo County, IN	SO _x	Maintenance	100	-	0.49	0.65	2.61
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.21	0.27	1.09
Warren County, NJ	SO _x	Maintenance	100	-	0.13	0.17	0.69
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.78	1.02	4.11
Washington, DC-MD-VA	CO	Maintenance	100	-	5.67	7.48	30.02

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Table B.1-181							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	19.22	25.36	101.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	18.83	24.84	99.75
Washoe County, NV	PM ₁₀	Serious	70	-	0.89	1.17	4.69
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.02	0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.27	0.36	1.43
Wayne County, MI	PM ₁₀	Maintenance	100	-	-29.44	-38.37	-56.08
Weirton, WV	PM ₁₀	Maintenance	100	-	0.04	0.05	0.19
Weirton, WV	SO _x	Maintenance	100	-	0.05	0.06	0.25
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.56	0.74	2.97
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.56	0.74	2.97
Winston-Salem, NC	CO	Maintenance	100	-	1.49	1.96	7.87
Worcester, MA	CO	Maintenance	100	-	0.77	1.02	4.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.33	0.44	1.77
Yakima, WA	CO	Maintenance	100	-	0.13	0.18	0.71
York, PA	Ozone	Maintenance	100	-	1.60	2.11	8.46
York, PA	PM _{2.5}	Nonattainment	100	-	1.24	1.64	6.58
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.38	3.14	12.60
Yuma, AZ	PM ₁₀	Moderate	100	-	0.65	0.86	3.46

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

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Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.09
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.04	0.20
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.04	0.21
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	8.67	12.05	61.02
Albuquerque, NM	CO	Maintenance	100	-	4.21	5.85	28.38
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.04	1.45	7.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	3.90	5.41	28.15
Altoona, PA	Ozone	Maintenance	100	-	0.72	1.01	4.90
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.19	1.65	8.01
Anchorage, AK	CO	Maintenance	100	-	1.01	1.41	6.84
Anthony, NM	PM ₁₀	Moderate	100	-	0.05	0.07	0.36
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.05	0.24
Aspen, CO	PM ₁₀	Maintenance	100	-	0.05	0.07	0.34
Atlanta, GA	Ozone	Moderate	50	-	47.22	65.65	321.93
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	47.25	65.69	322.11
Atlantic City, NJ	CO	Maintenance	100	-	0.37	0.51	2.48
Bakersfield, CA	CO	Maintenance	100	-	-10.07	-14.12	5.20
Baltimore, MD	CO	Maintenance	100	-	0.04	0.05	0.44
Baltimore, MD	Ozone	Moderate	50	-	20.17	28.03	142.59
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	20.17	28.03	142.58
Baton Rouge, LA	Ozone	Moderate	50	-	-385.49	-539.20	-440.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,089.28	-1,523.53	-1,309.01
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.06
Benton Harbor, MI	Ozone	Maintenance	100	-	1.25	1.74	8.63
Benzie County, MI	Ozone	Maintenance	100	-	0.16	0.23	1.10
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.05	1.46	7.07
Billings, MT	CO	Maintenance	100	-	-129.42	-181.02	-154.52
Birmingham, AL	Ozone	Maintenance	100	-	-5.15	-7.27	33.76

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Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-5.13	-7.24	33.91
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.80	2.50	15.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.80	2.50	15.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.12	0.17	0.80
Boston, MA	CO	Maintenance	100	-	6.08	8.46	41.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	36.42	50.63	245.87
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	4.64	6.45	31.32
Boyd County (part), KY	SO _x	Maintenance	100	-	0.07	0.10	0.47
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	8.23	11.44	55.53
Burlington, NJ	CO	Maintenance	100	-	0.06	0.08	0.40
Butte, MT	PM ₁₀	Moderate	100	-	0.15	0.21	1.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.14	0.19	0.94
Canton-Massillon, OH	Ozone	Maintenance	100	-	-42.06	-58.84	-39.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-42.06	-58.84	-39.54
Case County, MI	Ozone	Maintenance	100	-	0.31	0.43	2.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.05	0.06	0.31
Charleston, WV	Ozone	Maintenance	100	-	1.97	2.74	13.31
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.97	2.74	13.31
Charlotte, NC	CO	Maintenance	100	-	5.26	7.31	35.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	11.76	16.35	79.34
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	3.83	5.32	26.21
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	3.48	4.84	23.85
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-669.33	-936.57	-535.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-667.61	-934.18	-523.56
Chico, CA	CO	Maintenance	100	-	0.78	1.08	5.24
Chico, CA	Ozone	Former Subpart 1	50	-	1.79	2.49	12.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	14.07	19.56	94.92

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	13.66	18.99	92.15
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.09	0.12	0.66
Clark County, NV	PM ₁₀	Serious	70	-	10.73	14.92	72.39
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.85	2.58	12.50
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.29	1.79	8.67
Cleveland, OH	CO	Maintenance	100	-	6.67	9.28	45.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	18.36	25.53	123.89
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	16.93	23.54	114.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	4.57	6.36	30.84
Colbert County, AL	SO _x	Maintenance	100	-	0.43	0.59	2.87
Colorado Springs, CO	CO	Maintenance	100	-	3.07	4.26	27.08
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.04	0.05	0.26
Columbia, SC	Ozone	Former Subpart 1	50	-	4.65	6.46	31.34
Columbus, OH	Ozone	Maintenance	100	-	12.00	16.69	80.98
Columbus, OH	PM _{2.5}	Nonattainment	100	-	11.13	15.48	75.12
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	6.67	9.28	45.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	5.46	7.59	36.81
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	48.22	67.03	334.07
Dayton-Springfield, OH	Ozone	Maintenance	100	-	5.96	8.29	40.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	5.27	7.32	35.54
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-59.00	-82.70	46.13
Denver-Boulder, CO	CO	Maintenance	100	-	-59.93	-83.98	39.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-54.65	-76.65	75.65
Detroit, MI	CO	Maintenance	100	-	-73.11	-102.35	-26.20
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-73.70	-103.36	92.97
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-74.32	-104.21	88.83

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Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.26	0.37	1.77
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.25	0.35	1.70
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.20	0.28	1.35
Duluth, MN	CO	Maintenance	100	-	0.58	0.81	3.92
Eagle River, AK	PM ₁₀	Moderate	100	-	0.06	0.09	0.41
East Chicago, IN	CO	Maintenance	100	-	0.01	0.01	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-478.73	-669.58	-574.11
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-46.20	-64.65	-37.01
El Paso, TX	CO	Maintenance	100	-	0.21	0.29	1.49
Erie, PA	Ozone	Maintenance	100	-	1.62	2.26	10.96
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	1.64	2.28	11.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.57	2.18	10.60
Evansville, IN	Ozone	Maintenance	100	-	1.81	2.51	12.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.32	3.23	15.68
Fairbanks, AK	CO	Maintenance	100	-	0.12	0.17	0.84
Fayetteville, NC	Ozone	Former Subpart 1	50	-	2.11	2.93	14.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.07	0.35
Flint, MI	Ozone	Maintenance	100	-	3.70	5.15	24.99
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Fort Collins, CO	CO	Maintenance	100	-	1.26	1.75	8.51
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Fort Wayne, IN	Ozone	Maintenance	100	-	2.60	3.62	17.56
Franklin County, PA	Ozone	Maintenance	100	-	1.09	1.51	7.33
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.93	1.30	6.29
Fredericksburg, VA	Ozone	Maintenance	100	-	2.96	4.12	19.99

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.12	0.17	0.83
Fresno, CA	CO	Maintenance	100	-	3.90	5.42	28.04
Grand Rapids, MI	Ozone	Maintenance	100	-	5.80	8.06	39.10
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.28	0.39	1.95
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.03	0.13
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.23	0.33	1.58
Great Falls, MT	CO	Maintenance	100	-	0.14	0.19	0.94
Greater Connecticut, CT	Ozone	Moderate	50	-	11.41	15.86	78.73
Greeley, CO	CO	Maintenance	100	-	0.88	1.22	5.94
Green Bay, WI	SO _x	Maintenance	100	-	0.88	1.22	5.92
Greene County, IN	Ozone	Maintenance	100	-	0.35	0.48	2.34
Greene County, PA	Ozone	Maintenance	100	-	0.32	0.45	2.18
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	11.16	15.52	77.62
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	5.31	7.38	38.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	5.95	8.27	42.63
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.16	0.22	1.08
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.82	1.14	5.54
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	5.90	8.21	40.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	5.43	7.55	37.79
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	7.27	10.11	50.81
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.07	0.10	0.48
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.28	0.39	1.89
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.04	0.05	0.24
Hazelwood, PA	SO _x	Maintenance	100	-	0.25	0.35	1.89
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.27	1.77	8.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	2.09	2.91	14.11
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	0.11

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,211.08	-1,694.19	-1,250.65
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.03	0.13
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-261.82	-366.21	-306.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-262.82	-367.59	-313.15
Huron County, MI	Ozone	Maintenance	100	-	0.20	0.28	1.37
Imperial County, CA	Ozone	Moderate	50	-	1.57	2.18	10.56
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.53	2.13	10.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.24	0.33	1.61
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.01	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	14.31	19.89	96.51
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	11.34	15.76	76.49
Jackson County, IN	Ozone	Maintenance	100	-	0.57	0.79	3.81
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.11	1.54	7.47
Jefferson County, NY	Ozone	Moderate	50	-	0.88	1.23	5.95
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.06	0.08	0.37
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.54	2.15	10.42
Johnstown, PA	Ozone	Maintenance	100	-	0.72	1.00	4.86
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.79	1.10	5.33
Juneau, AK	PM ₁₀	Moderate	100	-	0.08	0.11	0.52
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	3.60	5.00	24.27
Kalispell, MT	PM ₁₀	Moderate	100	-	0.21	0.29	1.42
Kansas City, MO-KS	Ozone	Maintenance	100	-	10.51	14.61	78.57
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	1.02	1.42	6.91
Kent, WA	PM ₁₀	Maintenance	100	-	0.18	0.25	1.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.59	0.82	3.98
Kewaunee County, WI	Ozone	Maintenance	100	-	0.18	0.24	1.19
King County, WA	PM ₁₀	Maintenance	100	-	0.07	0.10	0.49
Klamath Falls, OR	CO	Maintenance	100	-	0.35	0.49	2.38

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.35	0.49	2.38
Knoxville, TN	Ozone	Former Subpart 1	50	-	8.49	11.80	57.25
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	6.57	9.13	44.30
La Porte County, IN	SO _x	Maintenance	100	-	0.25	0.34	1.67
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.11	0.15	0.72
Lake County, IN	SO _x	Maintenance	100	-	1.94	2.70	14.35
Lake County, OH	SO _x	Maintenance	100	-	0.25	0.35	1.72
Lake County, OR	PM ₁₀	Maintenance	100	-	0.04	0.06	0.29
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.21	0.29	1.42
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.45	0.62	3.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.14	0.20	0.97
Lamar, CO	PM ₁₀	Maintenance	100	-	0.06	0.09	0.43
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Lancaster, PA	Ozone	Maintenance	100	-	3.03	4.21	21.47
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	3.03	4.21	21.47
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	3.40	4.73	22.95
LaPorte, IN	Ozone	Maintenance	100	-	0.69	0.96	4.67
Las Vegas, NV	CO	Serious	100	-	10.73	14.92	72.39
Las Vegas, NV	Ozone	Former Subpart 1	50	-	10.89	15.14	73.46
Lauderdale County, AL	SO _x	Maintenance	100	-	0.63	0.87	4.23
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.02	0.08
Libby, MT	PM ₁₀	Moderate	100	-	0.03	0.04	0.21
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.28
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.12	0.66
Lima, OH	Ozone	Maintenance	100	-	-228.29	-319.30	-273.34
Longmont, CO	CO	Maintenance	100	-	0.65	0.91	4.40
Lorain County, OH	SO _x	Maintenance	100	-	0.33	0.46	2.21

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-207.39	-290.97	350.55
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-207.39	-290.97	350.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-207.39	-290.97	350.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-207.38	-290.97	350.56
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-207.39	-290.98	350.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	4.94	6.86	33.30
Louisville, KY-IN	Ozone	Maintenance	100	-	8.05	11.19	54.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	7.78	10.82	52.51
Lowell, MA	CO	Maintenance	100	-	0.81	1.13	5.46
Lucas County, OH	SO _x	Maintenance	100	-	2.13	2.96	14.36
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.44	0.61	2.98
Macon, GA	Ozone	Maintenance	100	-	1.49	2.08	10.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.48	2.05	9.97
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.03	0.14
Madison, WI	SO _x	Maintenance	100	-	1.75	2.43	11.80
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.07	0.09	0.46
Manchester, NH	CO	Maintenance	100	-	0.55	0.77	3.72
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.72	1.00	4.87
Marion County, IN	SO _x	Maintenance	100	-	2.23	3.10	15.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.80	1.12	5.43
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.27	3.16	15.35
Mason County, MI	Ozone	Maintenance	100	-	0.19	0.26	1.27
Medford, OR	CO	Maintenance	100	-	0.56	0.77	3.76
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.33	1.85	8.97
Memphis, TN-AR	Ozone	Maintenance	100	-	-55.26	-77.35	-27.86
Memphis, TN	CO	Maintenance	100	-	-55.83	-78.14	-31.71
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.21	0.29	1.42

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.04	0.25
Milwaukee, WI	SO _x	Maintenance	100	-	3.77	5.24	25.41
Milwaukee-Racine, WI	Ozone	Moderate	50	-	12.70	17.66	85.68
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-195.32	-273.36	-123.77
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	18.73	26.02	133.37
Missoula, MT	CO	Maintenance	100	-	-0.16	-0.22	2.23
Missoula, MT	PM ₁₀	Moderate	100	-	-0.15	-0.21	2.16
Modesto, CA	CO	Maintenance	100	-	2.21	3.07	14.89
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.74	1.03	5.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.16
Morristown, NJ	CO	Maintenance	100	-	0.23	0.32	1.57
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.21	0.29	1.40
Muncie, IN	Ozone	Maintenance	100	-	0.82	1.15	5.56
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.03	0.04	0.21
Muscatine County, IA	SO _x	Maintenance	100	-	0.11	0.15	0.73
Muskegon, MI	Ozone	Maintenance	100	-	0.90	1.25	6.20
Nashua, NH	CO	Maintenance	100	-	0.44	0.61	2.97
Nashville, TN	Ozone	Former Subpart 1	50	-	11.26	15.65	78.32
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.01	1.40	6.79
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.99	1.38	6.69
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	5.60	7.79	37.81
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.04	0.06	0.29
New York County, NY	PM ₁₀	Moderate	100	-	3.25	4.52	21.95
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-69.24	-97.30	224.36
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-73.55	-103.75	496.53
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-74.44	-105.00	490.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.29	0.41	1.97

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-130.95	-183.24	-97.22
Ogden, UT	CO	Maintenance	100	-	0.50	0.70	3.38
Ogden, UT	PM ₁₀	Moderate	100	-	0.50	0.70	3.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	0.12
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.15	0.21	1.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.77	1.07	5.17
Owens Valley, CA	PM ₁₀	Serious	70	-	0.03	0.04	0.19
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	1.03	1.44	6.97
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	1.04	1.44	7.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.14	0.19	0.94
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.40	0.56	4.43
Perth Amboy, NJ	CO	Maintenance	100	-	-53.12	-74.29	-61.50
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.78	3.86	18.76
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-430.05	-601.75	-348.04
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-415.89	-582.07	-248.73
Phoenix, AZ	CO	Maintenance	100	-	33.04	45.94	226.17
Phoenix, AZ	PM ₁₀	Serious	70	-	34.06	47.35	233.06
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	34.18	47.51	233.85
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.08	0.11	0.52
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Pittsburgh, PA	CO	Maintenance	100	-	0.15	0.20	1.09
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	13.54	18.82	95.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	12.32	17.12	87.13
Polk County, TN	SO _x	Maintenance	100	-	0.15	0.21	1.01
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.14
Portland, ME	Ozone	Maintenance	100	-	2.92	4.05	25.68

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Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	7.46	10.36	54.78
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.31	0.43	2.11
Poughkeepsie, NY	Ozone	Moderate	50	-	9.75	13.55	65.74
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.07	0.09	0.44
Providence (entire State), RI	Ozone	Moderate	50	-	5.66	7.86	45.71
Provo, UT	CO	Maintenance	100	-	1.16	1.62	7.84
Raleigh-Durham, NC	CO	Maintenance	100	-	9.07	12.60	62.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	12.45	17.31	85.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
Reading, PA	Ozone	Maintenance	100	-	2.38	3.30	16.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	2.38	3.30	16.02
Reno, NV	CO	Maintenance	100	-	1.74	2.42	11.75
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	7.90	10.97	57.89
Rillito, AZ	PM ₁₀	Moderate	100	-	0.35	0.48	2.35
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	4.57	6.36	30.84
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.87	2.60	12.61
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.57	0.80	3.86
Rochester, NY	Ozone	Former Subpart 1	50	-	9.54	13.26	64.37
Rocky Mount, NC	Ozone	Maintenance	100	-	1.32	1.84	8.93
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.86	1.19	5.78
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.03	0.12
Sacramento County, CA	PM ₁₀	Moderate	100	-	10.67	14.84	72.02
Sacramento Metro, CA	Ozone	Severe	25	-	18.39	25.56	128.52
Sacramento, CA	CO	Maintenance	100	-	11.81	16.42	80.24
Salem, OR	CO	Maintenance	100	-	0.93	1.30	6.30
Salt Lake City, UT	CO	Maintenance	100	-	-24.19	-33.85	-21.05

Appendix B

Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.37	-25.75	18.28
Salt Lake County, UT	SO _x	Nonattainment	100	-	7.34	10.21	49.55
San Antonio, TX	Ozone	Former Subpart 1	50	-	11.63	16.15	87.45
San Bernardino County, CA	PM ₁₀	Moderate	100	-	3.07	4.27	20.71
San Diego, CA	CO	Maintenance	100	-	29.34	40.79	199.66
San Diego, CA	Ozone	Former Subpart 1	50	-	29.39	40.86	200.03
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-612.23	-856.67	-491.88
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-606.16	-848.23	-450.89
San Joaquin Valley, CA	Ozone	Extreme	10	-	18.71	25.89	202.31
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	18.84	26.08	203.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	18.71	25.89	202.31
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.24	0.33	1.62
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	4.77	6.63	32.18
Seattle-Tacoma, WA	CO	Maintenance	100	-	21.32	29.64	143.81
Sheboygan, WI	Ozone	Moderate	50	-	0.85	1.18	5.72
Sheridan, WY	PM ₁₀	Moderate	100	-	0.16	0.22	1.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.12	0.17	0.84
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.81	3.91	21.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	1.23	1.71	8.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.12	2.94	14.29
Spokane, WA	CO	Maintenance	100	-	2.10	2.91	14.14
Springfield (western MA), MA	Ozone	Moderate	50	-	5.81	8.08	42.26
Springfield, MA	CO	Maintenance	100	-	0.82	1.14	6.67
St. Louis, MO	CO	Maintenance	100	-	6.53	9.08	44.06
St. Louis, MO-IL	Ozone	Moderate	50	-	-349.58	-489.12	-308.52
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-349.72	-489.31	-309.45

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Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.22	1.69	8.22
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.13	0.18	0.89
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.30	0.42	2.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-12.80	-17.91	-11.78
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-12.80	-17.91	-11.78
Stockton, CA	CO	Maintenance	100	-	3.32	4.61	22.37
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	3.66	5.09	24.69
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Terre Haute, IN	Ozone	Maintenance	100	-	0.94	1.30	6.32
Tioga County, PA	Ozone	Maintenance	100	-	0.40	0.56	2.71
Toledo, OH	Ozone	Maintenance	100	-	-217.09	-303.66	-242.38
Toms River, NJ	CO	Maintenance	100	-	0.71	0.99	4.78
Tooele County, UT	SO _x	Nonattainment	100	-	0.72	1.00	4.85
Trenton, NJ	CO	Maintenance	100	-	0.63	0.88	4.25
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.15
Tucson, AZ	CO	Maintenance	100	-	7.09	9.86	47.82
Utah County, UT	PM ₁₀	Moderate	100	-	3.46	4.81	23.33
Vancouver, WA	CO	Maintenance	100	-	2.22	3.08	14.96
Ventura County, CA	Ozone	Serious	50	-	5.38	7.47	39.71
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.05	0.07	0.35
Vigo County, IN	SO _x	Maintenance	100	-	0.94	1.30	6.32
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.40	0.56	2.71
Warren County, NJ	SO _x	Maintenance	100	-	0.26	0.36	1.72
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	-0.05	0.52
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.52	2.11	10.22
Washington, DC-MD-VA	CO	Maintenance	100	-	11.16	15.52	75.30

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Table B.1-182							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	38.50	53.53	259.73
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	37.70	52.41	254.32
Washoe County, NV	PM ₁₀	Serious	70	-	1.74	2.42	11.75
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.03	0.04	0.20
Wayne County, IN	SO _x	Maintenance	100	-	0.51	0.71	3.45
Wayne County, MI	PM ₁₀	Maintenance	100	-	-55.39	-77.47	-64.46
Weirton, WV	PM ₁₀	Maintenance	100	-	0.07	0.10	0.46
Weirton, WV	SO _x	Maintenance	100	-	0.09	0.13	0.61
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.06	1.48	7.18
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.06	1.48	7.18
Winston-Salem, NC	CO	Maintenance	100	-	2.93	4.07	19.76
Worcester, MA	CO	Maintenance	100	-	1.55	2.16	10.47
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.66	0.92	4.47
Yakima, WA	CO	Maintenance	100	-	0.27	0.38	1.84
York, PA	Ozone	Maintenance	100	-	3.17	4.41	21.40
York, PA	PM _{2.5}	Nonattainment	100	-	2.47	3.43	16.64
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	4.55	6.32	30.69
Yuma, AZ	PM ₁₀	Moderate	100	-	1.32	1.84	8.93

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

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Table B.1-183							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.05	0.05	0.12
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.12	0.11	0.29
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.12	0.11	0.30
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	35.34	32.04	88.47
Albuquerque, NM	CO	Maintenance	100	-	16.69	15.32	40.50
Allegan County, MI	Ozone	Former Subpart 1	50	-	4.43	4.07	10.76
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	15.92	14.31	40.66
Altoona, PA	Ozone	Maintenance	100	-	2.69	2.47	6.53
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	5.78	5.30	14.02
Anchorage, AK	CO	Maintenance	100	-	4.33	3.98	10.51
Anthony, NM	PM ₁₀	Moderate	100	-	0.21	0.19	0.51
Armstrong County, PA	SO _x	Nonattainment	100	-	0.14	0.13	0.34
Aspen, CO	PM ₁₀	Maintenance	100	-	0.21	0.19	0.51
Atlanta, GA	Ozone	Moderate	50	-	198.78	181.96	486.01
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	198.87	182.04	486.21
Atlantic City, NJ	CO	Maintenance	100	-	1.41	1.30	3.43
Bakersfield, CA	CO	Maintenance	100	-	-26.03	-35.77	16.02
Baltimore, MD	CO	Maintenance	100	-	0.16	0.11	0.62
Baltimore, MD	Ozone	Moderate	50	-	84.29	76.32	211.61
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	84.29	76.32	211.61
Baton Rouge, LA	Ozone	Moderate	50	-	-1,143.91	-1,400.74	-438.19
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,244.80	-3,959.11	-1,337.52
Benton County, TN	SO _x	Maintenance	100	-	0.03	0.03	0.08
Benton Harbor, MI	Ozone	Maintenance	100	-	4.56	4.16	11.29
Benzie County, MI	Ozone	Maintenance	100	-	0.74	0.67	1.78
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	4.33	3.97	10.50
Billings, MT	CO	Maintenance	100	-	-385.29	-470.34	-157.27
Birmingham, AL	Ozone	Maintenance	100	-	-9.02	-19.40	52.27

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Table B.1-183							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-8.92	-19.31	52.50
Boise-Northern Ada County, ID	CO	Maintenance	100	-	8.14	7.00	22.87
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	8.14	7.00	22.87
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.53	0.49	1.29
Boston, MA	CO	Maintenance	100	-	23.89	21.93	58.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	146.09	134.09	354.72
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	19.12	17.56	46.40
Boyd County (part), KY	SO _x	Maintenance	100	-	0.26	0.24	0.63
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	32.02	29.40	77.70
Burlington, NJ	CO	Maintenance	100	-	0.19	0.18	0.47
Butte, MT	PM ₁₀	Moderate	100	-	0.53	0.48	1.28
Canon City, CO	PM ₁₀	Maintenance	100	-	0.61	0.56	1.48
Canton-Massillon, OH	Ozone	Maintenance	100	-	-123.67	-153.17	-35.82
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-123.67	-153.17	-35.82
Case County, MI	Ozone	Maintenance	100	-	1.20	1.11	2.92
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.02	0.02	0.05
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.16	0.14	0.38
Charleston, WV	Ozone	Maintenance	100	-	7.24	6.65	17.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	7.24	6.65	17.58
Charlotte, NC	CO	Maintenance	100	-	22.22	20.40	53.92
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	49.05	45.04	119.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	14.95	13.66	36.69
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	13.72	12.53	33.71
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,939.57	-2,426.63	-398.85
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,932.59	-2,420.22	-381.91
Chico, CA	CO	Maintenance	100	-	3.71	3.41	9.01
Chico, CA	Ozone	Former Subpart 1	50	-	8.16	7.49	19.79
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	56.35	51.73	136.74

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	54.61	50.14	132.52
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.32	0.28	0.83
Clark County, NV	PM ₁₀	Serious	70	-	47.58	43.68	115.45
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	7.72	7.09	18.73
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	4.99	4.58	12.12
Cleveland, OH	CO	Maintenance	100	-	24.15	22.17	58.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	71.01	65.19	172.31
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	65.19	59.85	158.20
Coachella Valley, CA	PM ₁₀	Serious	70	-	21.14	19.41	51.30
Colbert County, AL	SO _x	Maintenance	100	-	1.53	1.41	3.72
Colorado Springs, CO	CO	Maintenance	100	-	14.68	12.44	42.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.17	0.16	0.42
Columbia, SC	Ozone	Former Subpart 1	50	-	18.58	17.06	45.09
Columbus, OH	Ozone	Maintenance	100	-	50.69	46.54	123.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	47.13	43.27	114.36
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.03	0.16
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	24.15	22.17	58.61
Cuyahoga County, OH	SO _x	Maintenance	100	-	20.08	18.44	48.73
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	209.56	190.97	518.02
Dayton-Springfield, OH	Ozone	Maintenance	100	-	22.62	20.77	54.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	19.93	18.30	48.36
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-148.90	-208.78	119.38
Denver-Boulder, CO	CO	Maintenance	100	-	-152.87	-212.42	109.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-130.31	-191.75	164.69
Detroit, MI	CO	Maintenance	100	-	-205.13	-262.44	-3.55
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-187.03	-267.49	184.90
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-189.49	-269.74	178.95

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Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	1.09	1.00	2.65
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.98	0.90	2.37
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.79	0.72	1.91
Duluth, MN	CO	Maintenance	100	-	2.17	1.99	5.27
Eagle River, AK	PM ₁₀	Moderate	100	-	0.27	0.25	0.65
East Chicago, IN	CO	Maintenance	100	-	0.03	0.02	0.07
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,425.88	-1,740.02	-586.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.03	0.03	0.07
El Paso County, TX	PM ₁₀	Moderate	100	-	-133.81	-167.41	-27.47
El Paso, TX	CO	Maintenance	100	-	0.83	0.75	2.12
Erie, PA	Ozone	Maintenance	100	-	6.20	5.69	15.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.05	0.04	0.12
Eugene-Springfield, OR	CO	Maintenance	100	-	6.73	6.18	16.34
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	6.45	5.92	15.66
Evansville, IN	Ozone	Maintenance	100	-	7.09	6.51	17.21
Evansville, IN	PM _{2.5}	Nonattainment	100	-	9.04	8.30	21.95
Fairbanks, AK	CO	Maintenance	100	-	0.53	0.49	1.29
Fayetteville, NC	Ozone	Former Subpart 1	50	-	8.38	7.70	20.34
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.22	0.20	0.54
Flint, MI	Ozone	Maintenance	100	-	14.33	13.15	34.77
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.03	0.02	0.07
Fort Collins, CO	CO	Maintenance	100	-	5.48	5.03	13.30
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.02	0.02	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	10.39	9.54	25.21
Franklin County, PA	Ozone	Maintenance	100	-	4.43	4.07	10.75
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.02	0.02	0.05
Frederick County, VA	Ozone	Former Subpart 1	50	-	3.73	3.43	9.06
Fredericksburg, VA	Ozone	Maintenance	100	-	13.02	11.96	31.60

Appendix B

<p align="center">Table B.1-183 Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1 Nitrogen Oxide (NO_x) 2040</p>							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.56	0.51	1.36
Fresno, CA	CO	Maintenance	100	-	17.08	15.41	43.22
Grand Rapids, MI	Ozone	Maintenance	100	-	24.06	22.09	58.38
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.04	0.95	2.57
Grant County, NM	SO _x	Maintenance	100	-	0.07	0.06	0.17
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.02	0.94	2.48
Great Falls, MT	CO	Maintenance	100	-	0.49	0.45	1.19
Greater Connecticut, CT	Ozone	Moderate	50	-	44.47	40.54	109.83
Greeley, CO	CO	Maintenance	100	-	3.68	3.38	8.94
Green Bay, WI	SO _x	Maintenance	100	-	3.55	3.26	8.62
Greene County, IN	Ozone	Maintenance	100	-	1.38	1.26	3.34
Greene County, PA	Ozone	Maintenance	100	-	1.24	1.14	3.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	44.24	40.24	109.85
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	21.03	18.93	53.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	23.23	20.92	59.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.63	0.58	1.53
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	3.29	3.02	7.99
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	24.59	22.40	60.90
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	22.63	20.59	56.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	28.07	25.49	70.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.31	0.29	0.75
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.23	1.13	2.98
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.14	0.13	0.34
Hazelwood, PA	SO _x	Maintenance	100	-	1.02	0.90	2.68
Hickory, NC	PM _{2.5}	Nonattainment	100	-	4.79	4.40	11.62
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	8.04	7.39	19.52
Hollis Township, IL	SO _x	Maintenance	100	-	0.04	0.03	0.14

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Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,564.41	-4,395.35	-1,160.69
Humphreys County, TN	SO _x	Maintenance	100	-	0.08	0.07	0.19
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-778.82	-951.93	-309.95
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-782.70	-955.50	-319.37
Huron County, MI	Ozone	Maintenance	100	-	0.77	0.71	1.87
Imperial County, CA	Ozone	Moderate	50	-	6.89	6.33	16.72
Imperial Valley, CA	PM ₁₀	Serious	70	-	6.75	6.19	16.37
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.91	0.84	2.22
Indianapolis, IN	CO	Maintenance	100	-	0.02	0.02	0.06
Indianapolis, IN	Ozone	Maintenance	100	-	58.80	53.98	142.68
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	46.71	42.88	113.35
Jackson County, IN	Ozone	Maintenance	100	-	2.20	2.02	5.33
Jamestown, NY	Ozone	Former Subpart 1	50	-	4.30	3.95	10.43
Jefferson County, NY	Ozone	Moderate	50	-	3.46	3.18	8.40
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.19	0.18	0.47
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	5.91	5.43	14.35
Johnstown, PA	Ozone	Maintenance	100	-	2.45	2.25	5.95
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	2.70	2.48	6.55
Juneau, AK	PM ₁₀	Moderate	100	-	0.35	0.32	0.85
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	14.00	12.85	33.97
Kalispell, MT	PM ₁₀	Moderate	100	-	0.91	0.83	2.20
Kansas City, MO-KS	Ozone	Maintenance	100	-	44.94	40.02	117.31
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	4.25	3.90	10.30
Kent, WA	PM ₁₀	Maintenance	100	-	0.78	0.71	1.89
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	2.32	2.13	5.64
Kewaunee County, WI	Ozone	Maintenance	100	-	0.67	0.62	1.64
King County, WA	PM ₁₀	Maintenance	100	-	0.31	0.28	0.75
Klamath Falls, OR	CO	Maintenance	100	-	1.35	1.24	3.28

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.35	1.24	3.28
Knoxville, TN	Ozone	Former Subpart 1	50	-	36.10	33.14	87.60
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	27.53	25.27	66.81
La Porte County, IN	SO _x	Maintenance	100	-	0.92	0.84	2.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.42	0.39	1.02
Lake County, IN	SO _x	Maintenance	100	-	7.48	6.67	19.49
Lake County, OH	SO _x	Maintenance	100	-	0.98	0.90	2.38
Lake County, OR	PM ₁₀	Maintenance	100	-	0.16	0.15	0.39
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.03	0.95	2.51
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	2.26	2.08	5.49
Lake Tahoe, NV	CO	Maintenance	100	-	0.57	0.52	1.38
Lamar, CO	PM ₁₀	Maintenance	100	-	0.24	0.22	0.58
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.04	0.03	0.09
Lancaster, PA	Ozone	Maintenance	100	-	12.45	11.27	31.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	12.45	11.27	31.30
Lane County, OR	PM ₁₀	Moderate	100	-	0.04	0.03	0.09
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	13.49	12.38	32.73
LaPorte, IN	Ozone	Maintenance	100	-	2.56	2.35	6.20
Las Vegas, NV	CO	Serious	100	-	47.58	43.68	115.45
Las Vegas, NV	Ozone	Former Subpart 1	50	-	48.16	44.22	116.88
Lauderdale County, AL	SO _x	Maintenance	100	-	2.36	2.17	5.72
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.05	0.04	0.12
Libby, MT	PM ₁₀	Moderate	100	-	0.11	0.10	0.28
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.15	0.14	0.37
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.32	0.28	0.83
Lima, OH	Ozone	Maintenance	100	-	-679.88	-829.76	-278.86
Longmont, CO	CO	Maintenance	100	-	2.86	2.63	6.94
Lorain County, OH	SO _x	Maintenance	100	-	1.30	1.19	3.16

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Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-486.28	-730.38	713.56
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-486.28	-730.38	713.56
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-486.28	-730.38	713.56
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-486.28	-730.38	713.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-486.30	-730.40	713.51
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	20.89	19.18	50.71
Louisville, KY-IN	Ozone	Maintenance	100	-	31.23	28.68	75.80
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	29.95	27.49	72.67
Lowell, MA	CO	Maintenance	100	-	3.36	3.08	8.14
Lucas County, OH	SO _x	Maintenance	100	-	7.93	7.28	19.25
Lyons Township, IL	PM ₁₀	Maintenance	100	-	1.64	1.51	4.01
Macon, GA	Ozone	Maintenance	100	-	5.50	5.05	13.34
Macon, GA	PM _{2.5}	Nonattainment	100	-	5.43	4.99	13.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.08	0.07	0.18
Madison, WI	SO _x	Maintenance	100	-	7.61	6.98	18.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.35	0.32	0.84
Manchester, NH	CO	Maintenance	100	-	2.03	1.86	4.92
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	2.76	2.53	6.70
Marion County, IN	SO _x	Maintenance	100	-	8.40	7.71	20.38
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	3.72	3.41	9.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	9.06	8.32	21.99
Mason County, MI	Ozone	Maintenance	100	-	0.76	0.70	1.84
Medford, OR	CO	Maintenance	100	-	2.46	2.26	5.98
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	5.91	5.42	14.33
Memphis, TN-AR	Ozone	Maintenance	100	-	-159.11	-202.05	-12.79
Memphis, TN	CO	Maintenance	100	-	-161.16	-203.93	-17.76
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.91	0.84	2.22

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Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.12	0.10	0.32
Milwaukee, WI	SO _x	Maintenance	100	-	14.29	13.12	34.68
Milwaukee-Racine, WI	Ozone	Moderate	50	-	51.03	46.85	123.84
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-559.19	-707.14	-64.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	78.21	70.66	197.40
Missoula, MT	CO	Maintenance	100	-	0.04	-0.49	3.61
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	-0.48	3.49
Modesto, CA	CO	Maintenance	100	-	9.97	9.15	24.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	3.38	3.10	8.20
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.05	0.04	0.12
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.09	0.08	0.22
Morristown, NJ	CO	Maintenance	100	-	1.03	0.95	2.50
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.77	0.71	1.87
Muncie, IN	Ozone	Maintenance	100	-	2.94	2.70	7.14
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.14	0.13	0.33
Muscatine County, IA	SO _x	Maintenance	100	-	0.44	0.40	1.06
Muskegon, MI	Ozone	Maintenance	100	-	3.61	3.29	8.93
Nashua, NH	CO	Maintenance	100	-	1.63	1.50	3.96
Nashville, TN	Ozone	Former Subpart 1	50	-	47.26	43.01	117.24
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	4.93	4.53	11.97
New Haven County, CT	PM ₁₀	Maintenance	100	-	4.27	3.92	10.35
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	21.53	19.77	52.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.16	0.14	0.38
New York County, NY	PM ₁₀	Moderate	100	-	12.02	11.04	29.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-155.24	-254.73	371.61
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-115.20	-266.86	794.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-118.93	-270.28	785.79
Nogales, AZ	PM ₁₀	Moderate	100	-	1.20	1.10	2.91

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Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-379.67	-476.15	-70.47
Ogden, UT	CO	Maintenance	100	-	1.93	1.77	4.69
Ogden, UT	PM ₁₀	Moderate	100	-	1.93	1.77	4.69
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.06	0.05	0.14
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.55	0.50	1.33
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	3.30	3.03	8.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.13	0.12	0.31
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	3.94	3.62	9.56
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	3.96	3.63	9.62
Payson, AZ	PM ₁₀	Maintenance	100	-	0.59	0.54	1.43
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Peoria, IL	SO _x	Maintenance	100	-	1.75	1.32	6.12
Perth Amboy, NJ	CO	Maintenance	100	-	-157.53	-192.80	-60.94
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	10.14	9.31	24.62
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,252.79	-1,564.51	-276.80
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,195.77	-1,512.77	-134.33
Phoenix, AZ	CO	Maintenance	100	-	159.37	145.79	390.25
Phoenix, AZ	PM ₁₀	Serious	70	-	163.77	149.83	400.97
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	164.24	150.25	402.12
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.28	0.26	0.69
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.03	0.03	0.07
Pittsburgh, PA	CO	Maintenance	100	-	0.68	0.60	1.78
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	52.44	47.48	131.68
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	47.72	43.16	120.17
Polk County, TN	SO _x	Maintenance	100	-	0.58	0.53	1.41
Polson, MT	PM ₁₀	Moderate	100	-	0.09	0.09	0.23
Portland, ME	Ozone	Maintenance	100	-	12.72	10.71	37.36

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	30.10	26.91	77.91
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.20	1.10	2.92
Poughkeepsie, NY	Ozone	Moderate	50	-	42.25	38.79	102.53
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.24	0.22	0.59
Providence (entire State), RI	Ozone	Moderate	50	-	24.49	21.27	67.57
Provo, UT	CO	Maintenance	100	-	5.05	4.64	12.26
Raleigh-Durham, NC	CO	Maintenance	100	-	38.92	35.51	95.91
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	53.16	48.58	130.46
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.04	0.03	0.11
Reading, PA	Ozone	Maintenance	100	-	9.33	8.56	22.63
Reading, PA	PM _{2.5}	Nonattainment	100	-	9.33	8.56	22.63
Reno, NV	CO	Maintenance	100	-	6.95	6.38	16.86
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.03	0.03	0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	32.07	28.69	82.81
Rillito, AZ	PM ₁₀	Moderate	100	-	1.56	1.44	3.80
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	21.14	19.41	51.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	7.17	6.58	17.40
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	2.35	2.16	5.70
Rochester, NY	Ozone	Former Subpart 1	50	-	37.55	34.47	91.12
Rocky Mount, NC	Ozone	Maintenance	100	-	5.05	4.64	12.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	3.34	3.06	8.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.04	0.03	0.09
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.07	0.06	0.17
Sacramento County, CA	PM ₁₀	Moderate	100	-	48.29	44.34	117.19
Sacramento Metro, CA	Ozone	Severe	25	-	86.19	78.41	213.96
Sacramento, CA	CO	Maintenance	100	-	54.00	49.49	131.61
Salem, OR	CO	Maintenance	100	-	3.63	3.33	8.80
Salt Lake City, UT	CO	Maintenance	100	-	-70.41	-87.71	-16.98

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-46.65	-65.90	40.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	29.99	27.54	72.79
San Antonio, TX	Ozone	Former Subpart 1	50	-	50.05	44.49	131.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	12.97	11.91	31.48
San Diego, CA	CO	Maintenance	100	-	130.34	119.38	318.16
San Diego, CA	Ozone	Former Subpart 1	50	-	130.59	119.61	318.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,767.04	-2,212.74	-350.24
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,742.30	-2,190.03	-290.21
San Joaquin Valley, CA	Ozone	Extreme	10	-	104.45	83.55	335.84
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	104.90	83.95	336.91
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	104.45	83.55	335.84
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.05	0.96	2.54
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.05
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	18.78	17.24	45.56
Seattle-Tacoma, WA	CO	Maintenance	100	-	88.88	81.60	215.69
Sheboygan, WI	Ozone	Moderate	50	-	3.45	3.17	8.38
Sheridan, WY	PM ₁₀	Moderate	100	-	0.60	0.55	1.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.51	0.47	1.23
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	11.47	10.17	30.29
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	4.16	3.81	10.17
Spokane County, WA	PM ₁₀	Maintenance	100	-	8.79	8.07	21.33
Spokane, WA	CO	Maintenance	100	-	8.69	7.98	21.10
Springfield (western MA), MA	Ozone	Moderate	50	-	23.41	20.99	60.10
Springfield, MA	CO	Maintenance	100	-	3.52	3.03	9.86
St. Louis, MO	CO	Maintenance	100	-	23.06	21.17	55.95
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,024.60	-1,273.33	-267.83
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,025.14	-1,273.82	-269.12

Appendix B

Table B.1-183							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	5.09	4.67	12.35
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.61	0.56	1.49
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.11	1.01	2.68
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-37.71	-46.72	-10.82
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-37.71	-46.72	-10.82
Stockton, CA	CO	Maintenance	100	-	15.05	13.82	36.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	13.98	12.83	33.92
Telluride, CO	PM ₁₀	Maintenance	100	-	0.05	0.05	0.13
Terre Haute, IN	Ozone	Maintenance	100	-	3.38	3.10	8.20
Tioga County, PA	Ozone	Maintenance	100	-	1.49	1.37	3.62
Toledo, OH	Ozone	Maintenance	100	-	-643.92	-789.50	-239.87
Toms River, NJ	CO	Maintenance	100	-	3.09	2.84	7.50
Tooele County, UT	SO _x	Nonattainment	100	-	2.94	2.70	7.14
Trenton, NJ	CO	Maintenance	100	-	2.53	2.32	6.14
Trona, CA	PM ₁₀	Moderate	100	-	0.10	0.09	0.25
Tucson, AZ	CO	Maintenance	100	-	30.04	27.57	72.89
Utah County, UT	PM ₁₀	Moderate	100	-	14.66	13.46	35.57
Vancouver, WA	CO	Maintenance	100	-	9.76	8.96	23.68
Ventura County, CA	Ozone	Serious	50	-	24.89	22.29	64.12
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.19	0.17	0.46
Vigo County, IN	SO _x	Maintenance	100	-	3.38	3.10	8.20
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	1.57	1.45	3.82
Warren County, NJ	SO _x	Maintenance	100	-	1.03	0.95	2.50
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.15	0.73
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	5.92	5.43	14.35
Washington, DC-MD-VA	CO	Maintenance	100	-	45.15	41.45	109.56

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Table B.1-183							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	161.59	148.36	392.14
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	158.02	145.07	383.45
Washoe County, NV	PM ₁₀	Serious	70	-	6.95	6.38	16.86
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.11	0.10	0.27
Wayne County, IN	SO _x	Maintenance	100	-	1.82	1.67	4.42
Wayne County, MI	PM ₁₀	Maintenance	100	-	-165.93	-203.01	-64.73
Weirton, WV	PM ₁₀	Maintenance	100	-	0.23	0.21	0.56
Weirton, WV	SO _x	Maintenance	100	-	0.31	0.28	0.74
Wheeling, WV-OH	Ozone	Maintenance	100	-	3.81	3.50	9.24
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	3.81	3.50	9.24
Winston-Salem, NC	CO	Maintenance	100	-	11.75	10.79	28.52
Worcester, MA	CO	Maintenance	100	-	6.59	6.05	15.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	2.69	2.47	6.53
Yakima, WA	CO	Maintenance	100	-	1.21	1.11	2.94
York, PA	Ozone	Maintenance	100	-	13.03	11.96	31.63
York, PA	PM _{2.5}	Nonattainment	100	-	10.10	9.28	24.52
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	16.68	15.31	40.47
Yuma, AZ	PM ₁₀	Moderate	100	-	5.74	5.27	13.93

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Actions. Source: EPA 2008.

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Table B.1-184
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.14	0.14	0.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.37	0.35	0.60
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.38	0.37	0.62
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	109.97	105.29	183.43
Albuquerque, NM	CO	Maintenance	100	-	50.65	48.64	83.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	14.28	13.71	23.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	49.80	47.59	83.89
Altoona, PA	Ozone	Maintenance	100	-	7.65	7.35	12.57
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	20.38	19.57	33.43
Anchorage, AK	CO	Maintenance	100	-	13.72	13.18	22.51
Anthony, NM	PM ₁₀	Moderate	100	-	0.62	0.60	1.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.43	0.41	0.70
Aspen, CO	PM ₁₀	Maintenance	100	-	0.67	0.64	1.10
Atlanta, GA	Ozone	Moderate	50	-	634.23	608.68	1,044.29
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	634.43	608.88	1,044.62
Atlantic City, NJ	CO	Maintenance	100	-	4.17	4.00	6.83
Bakersfield, CA	CO	Maintenance	100	-	-38.23	-46.50	29.26
Baltimore, MD	CO	Maintenance	100	-	0.56	0.50	1.21
Baltimore, MD	Ozone	Moderate	50	-	267.75	256.29	447.22
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	267.75	256.28	447.22
Baton Rouge, LA	Ozone	Moderate	50	-	-2,334.29	-2,530.91	-1,113.85
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6,670.07	-7,214.18	-3,349.13
Benton County, TN	SO _x	Maintenance	100	-	0.09	0.08	0.14
Benton Harbor, MI	Ozone	Maintenance	100	-	12.82	12.28	21.27
Benzie County, MI	Ozone	Maintenance	100	-	2.46	2.36	4.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	13.59	13.05	22.29
Billings, MT	CO	Maintenance	100	-	-791.11	-855.95	-394.40
Birmingham, AL	Ozone	Maintenance	100	-	6.57	-2.86	96.92

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Table B.1-184							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	6.88	-2.57	97.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	27.81	26.36	48.90
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	27.81	26.36	48.90
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.79	1.72	2.94
Boston, MA	CO	Maintenance	100	-	72.19	69.33	118.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	447.74	429.98	734.70
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	59.80	57.43	98.10
Boyd County (part), KY	SO _x	Maintenance	100	-	0.76	0.73	1.24
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	95.49	91.71	156.64
Burlington, NJ	CO	Maintenance	100	-	0.40	0.38	0.65
Butte, MT	PM ₁₀	Moderate	100	-	1.43	1.37	2.35
Canon City, CO	PM ₁₀	Maintenance	100	-	2.05	1.97	3.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	-247.77	-270.64	-99.45
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-247.77	-270.64	-99.45
Case County, MI	Ozone	Maintenance	100	-	3.57	3.43	5.86
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.07	0.12
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.42	0.40	0.69
Charleston, WV	Ozone	Maintenance	100	-	20.42	19.61	33.50
Charleston, WV	PM _{2.5}	Nonattainment	100	-	20.42	19.61	33.50
Charlotte, NC	CO	Maintenance	100	-	71.06	68.24	116.56
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	155.28	149.13	254.72
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	44.79	42.97	73.93
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	41.46	39.77	68.47
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-3,775.34	-4,158.49	-1,189.55
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-3,753.70	-4,137.71	-1,154.06
Chico, CA	CO	Maintenance	100	-	13.16	12.64	21.59
Chico, CA	Ozone	Former Subpart 1	50	-	27.57	26.48	45.22
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	172.43	165.60	282.85

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Table B.1-184							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	166.86	160.25	273.71
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.82	0.78	1.41
Clark County, NV	PM ₁₀	Serious	70	-	157.79	151.54	258.84
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	24.40	23.43	40.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	14.87	14.28	24.39
Cleveland, OH	CO	Maintenance	100	-	67.10	64.44	110.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	210.58	202.24	345.44
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	192.57	184.94	315.88
Coachella Valley, CA	PM ₁₀	Serious	70	-	72.20	69.34	118.44
Colbert County, AL	SO _x	Maintenance	100	-	4.23	4.06	6.94
Colorado Springs, CO	CO	Maintenance	100	-	52.01	49.14	92.90
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.56	0.54	0.92
Columbia, SC	Ozone	Former Subpart 1	50	-	57.16	54.90	93.77
Columbus, OH	Ozone	Maintenance	100	-	162.03	155.61	265.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	150.91	144.93	247.54
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.02	-0.00	0.23
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.02	0.03
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	67.10	64.44	110.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	57.85	55.56	94.90
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	685.89	657.64	1,135.28
Dayton-Springfield, OH	Ozone	Maintenance	100	-	65.92	63.31	108.14
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	57.89	55.60	94.96
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-200.22	-251.49	227.63
Denver-Boulder, CO	CO	Maintenance	100	-	-213.10	-263.86	206.50
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-140.21	-193.88	326.28
Detroit, MI	CO	Maintenance	100	-	-445.72	-494.44	-107.68
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-256.76	-325.60	320.89
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-264.25	-332.79	308.61

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Table B.1-184							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	3.45	3.32	5.67
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.86	2.74	4.69
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.35	2.26	3.86
Duluth, MN	CO	Maintenance	100	-	6.26	6.01	10.26
Eagle River, AK	PM ₁₀	Moderate	100	-	0.88	0.85	1.45
East Chicago, IN	CO	Maintenance	100	-	0.07	0.07	0.12
East Chicago, IN	PM ₁₀	Maintenance	100	-	-2,930.36	-3,169.69	-1,468.73
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.09	0.08	0.14
El Paso County, TX	PM ₁₀	Moderate	100	-	-260.29	-286.72	-81.92
El Paso, TX	CO	Maintenance	100	-	2.54	2.43	4.27
Erie, PA	Ozone	Maintenance	100	-	18.14	17.42	29.75
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.16	0.16	0.27
Eugene-Springfield, OR	CO	Maintenance	100	-	21.08	20.25	34.59
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	20.26	19.46	33.23
Evansville, IN	Ozone	Maintenance	100	-	21.31	20.46	34.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	26.90	25.83	44.12
Fairbanks, AK	CO	Maintenance	100	-	1.72	1.65	2.82
Fayetteville, NC	Ozone	Former Subpart 1	50	-	25.52	24.51	41.86
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.73	0.70	1.20
Flint, MI	Ozone	Maintenance	100	-	42.50	40.81	69.71
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.06	0.05	0.09
Fort Collins, CO	CO	Maintenance	100	-	17.89	17.18	29.34
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.05	0.05	0.08
Fort Wayne, IN	Ozone	Maintenance	100	-	31.68	30.43	51.97
Franklin County, PA	Ozone	Maintenance	100	-	13.77	13.22	22.58
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.06	0.06	0.10
Frederick County, VA	Ozone	Former Subpart 1	50	-	11.43	10.97	18.74
Fredericksburg, VA	Ozone	Maintenance	100	-	42.90	41.20	70.38

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Table B.1-184							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.98	1.90	3.25
Fresno, CA	CO	Maintenance	100	-	55.81	53.41	93.38
Grand Rapids, MI	Ozone	Maintenance	100	-	75.86	72.85	124.43
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.89	2.77	4.79
Grant County, NM	SO _x	Maintenance	100	-	0.19	0.18	0.31
Grants Pass, OR	CO	Maintenance	100	-	0.05	0.04	0.07
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.37	3.24	5.53
Great Falls, MT	CO	Maintenance	100	-	1.30	1.25	2.14
Greater Connecticut, CT	Ozone	Moderate	50	-	133.04	127.54	220.37
Greeley, CO	CO	Maintenance	100	-	11.69	11.23	19.18
Green Bay, WI	SO _x	Maintenance	100	-	10.87	10.44	17.83
Greene County, IN	Ozone	Maintenance	100	-	4.18	4.02	6.86
Greene County, PA	Ozone	Maintenance	100	-	3.65	3.50	5.98
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	134.46	128.85	223.23
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	64.06	61.24	107.75
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	69.80	66.72	117.39
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.89	1.81	3.10
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	10.02	9.63	16.44
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	77.87	74.64	129.09
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	71.65	68.67	118.88
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	83.11	79.59	138.48
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.02	0.98	1.67
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	4.06	3.90	6.66
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.43	0.41	0.71
Hazelwood, PA	SO _x	Maintenance	100	-	3.22	3.06	5.56
Hickory, NC	PM _{2.5}	Nonattainment	100	-	13.87	13.32	22.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	23.75	22.81	38.96
Hollis Township, IL	SO _x	Maintenance	100	-	0.14	0.12	0.27

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-7,158.06	-7,800.49	-3,044.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.24	0.23	0.39
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1,596.49	-1,728.63	-783.65
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1,608.14	-1,739.82	-802.76
Huron County, MI	Ozone	Maintenance	100	-	2.25	2.16	3.68
Imperial County, CA	Ozone	Moderate	50	-	22.72	21.82	37.27
Imperial Valley, CA	PM ₁₀	Serious	70	-	22.26	21.38	36.52
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.65	2.55	4.35
Indianapolis, IN	CO	Maintenance	100	-	0.06	0.06	0.10
Indianapolis, IN	Ozone	Maintenance	100	-	183.90	176.61	301.66
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	146.36	140.56	240.09
Jackson County, IN	Ozone	Maintenance	100	-	6.54	6.28	10.73
Jamestown, NY	Ozone	Former Subpart 1	50	-	12.80	12.29	20.99
Jefferson County, NY	Ozone	Moderate	50	-	10.41	10.00	17.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.50	0.48	0.81
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	17.38	16.69	28.51
Johnstown, PA	Ozone	Maintenance	100	-	6.36	6.11	10.43
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	7.00	6.73	11.49
Juneau, AK	PM ₁₀	Moderate	100	-	1.21	1.16	1.98
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	41.75	40.10	68.49
Kalispell, MT	PM ₁₀	Moderate	100	-	2.94	2.83	4.83
Kansas City, MO-KS	Ozone	Maintenance	100	-	145.67	138.92	248.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	13.37	12.84	21.94
Kent, WA	PM ₁₀	Maintenance	100	-	2.57	2.47	4.21
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	6.94	6.66	11.38
Kewaunee County, WI	Ozone	Maintenance	100	-	1.99	1.91	3.26
King County, WA	PM ₁₀	Maintenance	100	-	0.98	0.95	1.62
Klamath Falls, OR	CO	Maintenance	100	-	3.99	3.83	6.54

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.99	3.83	6.54
Knoxville, TN	Ozone	Former Subpart 1	50	-	116.03	111.43	190.33
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	87.49	84.02	143.51
La Porte County, IN	SO _x	Maintenance	100	-	2.61	2.51	4.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.27	1.22	2.09
Lake County, IN	SO _x	Maintenance	100	-	22.14	21.10	37.77
Lake County, OH	SO _x	Maintenance	100	-	2.91	2.80	4.78
Lake County, OR	PM ₁₀	Maintenance	100	-	0.47	0.45	0.77
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	3.68	3.53	6.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	8.37	8.04	13.73
Lake Tahoe, NV	CO	Maintenance	100	-	1.68	1.62	2.76
Lamar, CO	PM ₁₀	Maintenance	100	-	0.72	0.69	1.18
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.10	0.09	0.16
Lancaster, PA	Ozone	Maintenance	100	-	39.01	37.34	65.20
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	39.01	37.34	65.20
Lane County, OR	PM ₁₀	Moderate	100	-	0.09	0.09	0.15
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	40.91	39.29	67.11
LaPorte, IN	Ozone	Maintenance	100	-	7.25	6.96	11.89
Las Vegas, NV	CO	Serious	100	-	157.79	151.54	258.84
Las Vegas, NV	Ozone	Former Subpart 1	50	-	159.43	153.11	261.52
Lauderdale County, AL	SO _x	Maintenance	100	-	6.82	6.55	11.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.14	0.14	0.23
Libby, MT	PM ₁₀	Moderate	100	-	0.32	0.31	0.53
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.43	0.41	0.70
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.82	0.78	1.41
Lima, OH	Ozone	Maintenance	100	-	-1,396.97	-1,511.17	-699.13
Longmont, CO	CO	Maintenance	100	-	9.52	9.14	15.61
Lorain County, OH	SO _x	Maintenance	100	-	3.97	3.81	6.51

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-489.87	-704.64	1,395.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-489.87	-704.64	1,395.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-489.87	-704.64	1,395.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-489.87	-704.63	1,395.87
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-489.94	-704.70	1,395.75
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	66.99	64.33	109.88
Louisville, KY-IN	Ozone	Maintenance	100	-	92.97	89.29	152.50
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	88.40	84.89	145.00
Lowell, MA	CO	Maintenance	100	-	10.76	10.33	17.65
Lucas County, OH	SO _x	Maintenance	100	-	22.67	21.77	37.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	4.72	4.53	7.77
Macon, GA	Ozone	Maintenance	100	-	15.54	14.93	25.50
Macon, GA	PM _{2.5}	Nonattainment	100	-	15.34	14.73	25.17
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.21	0.20	0.35
Madison, WI	SO _x	Maintenance	100	-	24.95	23.96	40.92
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.30	1.25	2.14
Manchester, NH	CO	Maintenance	100	-	5.55	5.33	9.10
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	8.09	7.77	13.28
Marion County, IN	SO _x	Maintenance	100	-	24.27	23.30	39.80
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	12.69	12.18	20.81
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	27.60	26.51	45.28
Mason County, MI	Ozone	Maintenance	100	-	2.34	2.24	3.83
Medford, OR	CO	Maintenance	100	-	8.18	7.86	13.42
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	19.74	18.96	32.38
Memphis, TN-AR	Ozone	Maintenance	100	-	-305.06	-339.14	-66.81
Memphis, TN	CO	Maintenance	100	-	-310.68	-344.54	-76.03
Miami (Gila County), AZ	SO _x	Maintenance	100	-	3.00	2.88	4.91

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Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.34	0.32	0.59
Milwaukee, WI	SO _x	Maintenance	100	-	41.99	40.32	68.87
Milwaukee-Racine, WI	Ozone	Moderate	50	-	156.63	150.42	256.93
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-1,061.05	-1,178.80	-239.80
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	248.30	237.54	415.99
Missoula, MT	CO	Maintenance	100	-	2.19	1.70	7.41
Missoula, MT	PM ₁₀	Moderate	100	-	2.12	1.64	7.17
Modesto, CA	CO	Maintenance	100	-	33.16	31.84	54.39
Mohave County, AZ	PM ₁₀	Maintenance	100	-	11.48	11.02	18.82
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.16	0.16	0.27
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.26	0.25	0.43
Morristown, NJ	CO	Maintenance	100	-	3.52	3.38	5.77
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.22	2.13	3.63
Muncie, IN	Ozone	Maintenance	100	-	8.05	7.73	13.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.51	0.49	0.83
Muscatine County, IA	SO _x	Maintenance	100	-	1.36	1.31	2.23
Muskegon, MI	Ozone	Maintenance	100	-	11.14	10.68	18.46
Nashua, NH	CO	Maintenance	100	-	4.53	4.35	7.43
Nashville, TN	Ozone	Former Subpart 1	50	-	150.61	144.35	249.88
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	17.46	16.76	28.63
New Haven County, CT	PM ₁₀	Maintenance	100	-	14.17	13.61	23.25
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	63.39	60.88	103.98
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.47	0.45	0.77
New York County, NY	PM ₁₀	Moderate	100	-	34.14	32.79	56.00
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-117.01	-204.91	677.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	172.03	32.39	1,529.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	160.28	21.10	1,510.52
Nogales, AZ	PM ₁₀	Moderate	100	-	3.75	3.60	6.14

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-739.27	-815.19	-224.56
Ogden, UT	CO	Maintenance	100	-	5.71	5.49	9.37
Ogden, UT	PM ₁₀	Moderate	100	-	5.71	5.49	9.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.15	0.14	0.24
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.51	1.45	2.48
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	10.71	10.29	17.57
Owens Valley, CA	PM ₁₀	Serious	70	-	0.51	0.49	0.83
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.03
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	11.53	11.07	18.91
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	11.59	11.13	19.04
Payson, AZ	PM ₁₀	Maintenance	100	-	1.87	1.79	3.07
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.04	0.06
Peoria, IL	SO _x	Maintenance	100	-	5.91	5.45	11.81
Perth Amboy, NJ	CO	Maintenance	100	-	-320.82	-347.85	-152.97
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	28.42	27.30	46.64
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2,462.71	-2,706.77	-831.15
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-2,286.81	-2,538.30	-538.24
Phoenix, AZ	CO	Maintenance	100	-	559.73	537.16	921.82
Phoenix, AZ	PM ₁₀	Serious	70	-	574.01	550.87	945.29
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	575.41	552.22	947.59
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.78	0.75	1.28
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.07	0.07	0.12
Pittsburgh, PA	CO	Maintenance	100	-	2.58	2.45	4.45
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	155.95	149.22	260.96
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	141.99	135.82	238.06
Polk County, TN	SO _x	Maintenance	100	-	1.73	1.66	2.83
Polson, MT	PM ₁₀	Moderate	100	-	0.32	0.30	0.52
Portland, ME	Ozone	Maintenance	100	-	42.14	39.70	76.34

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	93.02	88.73	158.22
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.53	3.39	5.79
Poughkeepsie, NY	Ozone	Moderate	50	-	137.80	132.34	226.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.68	0.66	1.12
Providence (entire State), RI	Ozone	Moderate	50	-	80.15	75.96	140.92
Provo, UT	CO	Maintenance	100	-	16.47	15.81	27.01
Raleigh-Durham, NC	CO	Maintenance	100	-	126.23	121.07	208.57
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	171.60	164.64	282.99
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.11	0.10	0.21
Reading, PA	Ozone	Maintenance	100	-	28.05	26.94	46.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	28.05	26.94	46.01
Reno, NV	CO	Maintenance	100	-	21.17	20.33	34.73
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.13	0.12	0.21
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	99.88	95.35	169.27
Rillito, AZ	PM ₁₀	Moderate	100	-	5.27	5.06	8.64
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	72.20	69.34	118.44
Roanoke, VA	Ozone	Former Subpart 1	50	-	21.10	20.27	34.62
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	7.31	7.02	11.99
Rochester, NY	Ozone	Former Subpart 1	50	-	113.16	108.67	185.62
Rocky Mount, NC	Ozone	Maintenance	100	-	14.81	14.22	24.30
Rome, GA	PM _{2.5}	Nonattainment	100	-	9.96	9.57	16.34
Ronan, MT	PM ₁₀	Moderate	100	-	0.12	0.11	0.19
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.20	0.19	0.32
Sacramento County, CA	PM ₁₀	Moderate	100	-	162.42	155.98	266.42
Sacramento Metro, CA	Ozone	Severe	25	-	296.79	284.49	492.03
Sacramento, CA	CO	Maintenance	100	-	182.26	174.98	299.59
Salem, OR	CO	Maintenance	100	-	10.78	10.35	17.68
Salt Lake City, UT	CO	Maintenance	100	-	-138.25	-151.80	-48.06

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-64.44	-80.92	73.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	93.32	89.63	153.09
San Antonio, TX	Ozone	Former Subpart 1	50	-	162.91	155.26	278.47
San Bernardino County, CA	PM ₁₀	Moderate	100	-	40.70	39.09	66.77
San Diego, CA	CO	Maintenance	100	-	432.91	415.54	712.20
San Diego, CA	Ozone	Former Subpart 1	50	-	433.76	416.35	713.61
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3,412.82	-3,764.59	-1,024.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3,336.85	-3,691.63	-899.90
San Joaquin Valley, CA	Ozone	Extreme	10	-	401.86	375.79	754.56
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	402.93	376.81	756.30
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	401.86	375.79	754.56
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.43	3.29	5.62
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.06	0.09
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	56.58	54.34	92.82
Seattle-Tacoma, WA	CO	Maintenance	100	-	281.03	269.90	460.99
Sheboygan, WI	Ozone	Moderate	50	-	10.73	10.31	17.60
Sheridan, WY	PM ₁₀	Moderate	100	-	1.78	1.71	2.93
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.58	1.52	2.60
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	35.81	34.10	61.53
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	10.17	9.76	16.74
Spokane County, WA	PM ₁₀	Maintenance	100	-	27.68	26.58	45.40
Spokane, WA	CO	Maintenance	100	-	27.35	26.27	44.86
Springfield (western MA), MA	Ozone	Moderate	50	-	72.12	68.86	122.15
Springfield, MA	CO	Maintenance	100	-	11.81	11.16	21.03
St. Louis, MO	CO	Maintenance	100	-	62.54	60.06	102.58
St. Louis, MO-IL	Ozone	Moderate	50	-	-2,039.35	-2,232.91	-768.52
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-2,040.91	-2,234.41	-771.08

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	16.14	15.50	26.48
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	2.12	2.03	3.47
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	3.08	2.96	5.05
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-75.83	-82.81	-30.67
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-75.83	-82.81	-30.67
Stockton, CA	CO	Maintenance	100	-	51.51	49.47	84.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	41.00	39.37	67.25
Telluride, CO	PM ₁₀	Maintenance	100	-	0.20	0.20	0.33
Terre Haute, IN	Ozone	Maintenance	100	-	9.36	8.99	15.35
Tioga County, PA	Ozone	Maintenance	100	-	4.26	4.09	6.99
Toledo, OH	Ozone	Maintenance	100	-	-1,312.68	-1,424.25	-616.94
Toms River, NJ	CO	Maintenance	100	-	10.29	9.89	16.89
Tooele County, UT	SO _x	Nonattainment	100	-	9.18	8.81	15.05
Trenton, NJ	CO	Maintenance	100	-	7.84	7.53	12.86
Trona, CA	PM ₁₀	Moderate	100	-	0.34	0.33	0.56
Tucson, AZ	CO	Maintenance	100	-	96.26	92.45	157.91
Utah County, UT	PM ₁₀	Moderate	100	-	46.99	45.13	77.09
Vancouver, WA	CO	Maintenance	100	-	32.05	30.78	52.58
Ventura County, CA	Ozone	Serious	50	-	85.20	81.36	144.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.53	0.51	0.87
Vigo County, IN	SO _x	Maintenance	100	-	9.36	8.99	15.35
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	4.74	4.55	7.77
Warren County, NJ	SO _x	Maintenance	100	-	3.17	3.05	5.20
Warren County, PA	SO _x	Nonattainment	100	-	0.09	-0.03	1.20
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	17.70	16.99	29.03
Washington, DC-MD-VA	CO	Maintenance	100	-	143.49	137.81	235.38

Appendix B

Table B.1-184							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	514.19	493.82	843.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	502.28	482.38	823.92
Washoe County, NV	PM ₁₀	Serious	70	-	21.17	20.33	34.73
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.33	0.31	0.54
Wayne County, IN	SO _x	Maintenance	100	-	5.00	4.81	8.21
Wayne County, MI	PM ₁₀	Maintenance	100	-	-360.51	-391.00	-170.91
Weirton, WV	PM ₁₀	Maintenance	100	-	0.52	0.50	0.85
Weirton, WV	SO _x	Maintenance	100	-	0.73	0.70	1.20
Wheeling, WV-OH	Ozone	Maintenance	100	-	10.46	10.04	17.15
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	10.46	10.04	17.15
Winston-Salem, NC	CO	Maintenance	100	-	36.03	34.60	59.10
Worcester, MA	CO	Maintenance	100	-	21.44	20.59	35.17
Yakima County, WA	PM ₁₀	Maintenance	100	-	8.27	7.94	13.57
Yakima, WA	CO	Maintenance	100	-	4.08	3.92	6.70
York, PA	Ozone	Maintenance	100	-	40.74	39.13	66.83
York, PA	PM _{2.5}	Nonattainment	100	-	31.51	30.27	51.70
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	46.97	45.11	77.05
Yuma, AZ	PM ₁₀	Moderate	100	-	18.72	17.98	30.71

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	0.40	-0.04
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.19	-0.02
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.19	-0.02
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.04	0.04	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.71	2.07	-0.18
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.71	2.07	-0.18
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.02	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.18	-0.24	-0.64
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.77	0.93	-0.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.77	0.93	-0.08
Baton Rouge, LA	Ozone	Moderate	50	-	-17.03	-22.23	-37.24
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-54.74	-71.40	-118.56
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Billings, MT	CO	Maintenance	100	-	-9.10	-11.86	-19.71
Birmingham, AL	Ozone	Maintenance	100	-	-0.55	-0.74	-1.79

Appendix B

**Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.55	-0.74	-1.79
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.10	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.10	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Boston, MA	CO	Maintenance	100	-	0.22	0.27	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.32	1.60	-0.14
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.20	-0.02
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.30	0.37	-0.03
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.39	-1.82	-3.17
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.39	-1.82	-3.17
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.09	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.19	0.23	-0.02
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.42	0.51	-0.04
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.17	-0.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.13	0.16	-0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-23.71	-31.09	-55.36
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-23.64	-31.01	-55.37
Chico, CA	CO	Maintenance	100	-	0.03	0.03	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.51	0.62	-0.05

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.50	0.60	-0.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.37	0.45	-0.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.08	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.25	0.30	-0.03
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.67	0.82	-0.07
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.62	0.75	-0.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.16	0.19	-0.02
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.15	0.18	-0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.17	0.20	-0.02
Columbus, OH	Ozone	Maintenance	100	-	0.43	0.52	-0.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.40	0.48	-0.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.25	0.30	-0.03
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.20	0.25	-0.02
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.76	2.13	-0.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.22	0.27	-0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.24	-0.02
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-10.42	-13.66	-24.24
Denver-Boulder, CO	CO	Maintenance	100	-	-10.45	-13.70	-24.24
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-10.26	-13.47	-24.26
Detroit, MI	CO	Maintenance	100	-	-8.24	-10.78	-18.77
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-10.07	-13.25	-24.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-10.09	-13.27	-24.50

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.03	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-20.13	-26.26	-43.64
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-5.99	-7.82	-13.22
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.07	-0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.07	-0.01
Evansville, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.14	0.16	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.05	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.11	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.10	0.13	-0.01

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Table B.1-185							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	-0.00
Fresno, CA	CO	Maintenance	100	-	0.15	0.18	-0.02
Grand Rapids, MI	Ozone	Maintenance	100	-	0.21	0.25	-0.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.43	0.52	-0.05
Greeley, CO	CO	Maintenance	100	-	0.03	0.04	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.04	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.42	0.51	-0.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.21	0.25	-0.02
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.24	0.29	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.22	0.27	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.20	0.25	-0.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.28	0.34	-0.03
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-82.29	-107.45	-181.15
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-10.97	-14.31	-23.89
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-11.00	-14.36	-23.89
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.07	-0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.06	-0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.51	0.62	-0.05
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.41	0.49	-0.04
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.04	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.16	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.43	0.52	-0.05
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.04	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	-0.00

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.30	0.37	-0.03
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.23	0.28	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.08	0.10	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.12	0.14	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.14	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.15	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Las Vegas, NV	CO	Serious	100	-	0.37	0.45	-0.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.38	0.46	-0.04
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-14.00	-18.26	-30.32
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00

Appendix B

**Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-35.85	-47.12	-86.32
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-35.85	-47.12	-86.32
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-35.85	-47.12	-86.32
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-35.85	-47.12	-86.32
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-35.85	-47.12	-86.32
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.18	0.21	-0.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.30	0.36	-0.03
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	0.35	-0.03
Lowell, MA	CO	Maintenance	100	-	0.03	0.04	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.08	0.10	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.06	0.07	-0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.06	0.07	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.10	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.06	-5.32	-9.38
Memphis, TN	CO	Maintenance	100	-	-4.08	-5.35	-9.38
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.14	0.17	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.46	0.56	-0.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.74	0.90	-0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.72	0.87	-0.08
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.00
Modesto, CA	CO	Maintenance	100	-	0.08	0.09	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	-0.00
Nashua, NH	CO	Maintenance	100	-	0.02	0.02	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.42	0.51	-0.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.21	0.25	-0.02
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.12	0.15	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.47	-3.41	-9.98
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.36	-3.44	-13.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.39	-3.47	-13.85
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-15.22	-19.89	-33.84
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.03	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-1.65	-2.16	-3.62
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.10	0.13	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-23.07	-30.20	-52.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-22.60	-29.63	-52.70
Phoenix, AZ	CO	Maintenance	100	-	1.13	1.36	-0.14
Phoenix, AZ	PM ₁₀	Serious	70	-	1.16	1.41	-0.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.17	1.41	-0.15
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.52	0.63	-0.07
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.48	0.58	-0.06
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.14	0.18	-0.02

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Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.21	0.25	-0.23
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.34	0.42	-0.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.25	0.31	-0.03
Provo, UT	CO	Maintenance	100	-	0.04	0.05	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.33	0.40	-0.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.45	0.55	-0.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.09	0.11	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.01
Reno, NV	CO	Maintenance	100	-	0.06	0.08	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.29	0.35	-0.09
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.16	0.19	-0.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.35	0.42	-0.04
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.06	-0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.37	0.45	-0.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.66	0.80	-0.07
Sacramento, CA	CO	Maintenance	100	-	0.41	0.50	-0.04
Salem, OR	CO	Maintenance	100	-	0.03	0.04	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	-3.85	-5.03	-8.45

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Table B.1-185							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.64	-4.77	-8.47
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.26	0.32	-0.03
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.48	0.58	-0.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.11	0.13	-0.01
San Diego, CA	CO	Maintenance	100	-	1.04	1.26	-0.11
San Diego, CA	Ozone	Former Subpart 1	50	-	1.04	1.26	-0.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-30.67	-40.15	-69.98
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-30.46	-39.89	-70.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.84	0.99	-0.75
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.84	0.99	-0.75
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.84	0.99	-0.75
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.21	-0.02
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.76	0.92	-0.08
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.04	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.12	0.14	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.09	-0.01
Spokane, WA	CO	Maintenance	100	-	0.08	0.09	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.23	0.28	-0.02
Springfield, MA	CO	Maintenance	100	-	0.04	0.05	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.25	0.30	-0.03
St. Louis, MO-IL	Ozone	Moderate	50	-	-62.03	-80.97	-135.85
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-62.04	-80.98	-135.85

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Table B.1-185							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.08	-0.11	-0.24
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.08	-0.11	-0.24
Stockton, CA	CO	Maintenance	100	-	0.12	0.14	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.16	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.04	0.04	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.00
Toledo, OH	Ozone	Maintenance	100	-	-14.46	-18.87	-31.58
Toms River, NJ	CO	Maintenance	100	-	0.03	0.03	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.25	0.31	-0.03
Utah County, UT	PM ₁₀	Moderate	100	-	0.12	0.15	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.08	0.09	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.19	0.23	-0.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.04	0.04	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.41	0.49	-0.04

Appendix B

**Table B.1-185
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.37	1.66	-0.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.35	1.63	-0.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.08	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.62	-8.63	-14.35
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.05	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.11	0.13	-0.01
Worcester, MA	CO	Maintenance	100	-	0.06	0.07	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.00
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
York, PA	Ozone	Maintenance	100	-	0.11	0.14	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.17	0.21	-0.02
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.06	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.65	0.78	-2.56
Albuquerque, NM	CO	Maintenance	100	-	0.30	0.36	-1.18
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.29
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.30	0.36	-1.19
Altoona, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.21
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.10	-0.33
Anchorage, AK	CO	Maintenance	100	-	0.07	0.09	-0.29
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	3.38	4.09	-13.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.39	4.10	-13.45
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.03	-0.10
Bakersfield, CA	CO	Maintenance	100	-	-0.33	-0.53	-2.01
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.02
Baltimore, MD	Ozone	Moderate	50	-	1.51	1.83	-6.00
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.51	1.83	-6.00
Baton Rouge, LA	Ozone	Moderate	50	-	-32.69	-47.17	-67.86
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-105.08	-151.39	-212.39
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.09	0.11	-0.36
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.09	-0.29
Billings, MT	CO	Maintenance	100	-	-17.46	-25.16	-35.31
Birmingham, AL	Ozone	Maintenance	100	-	-1.05	-1.63	-5.17

Appendix B

Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.05	-1.63	-5.18
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.16	0.20	-0.65
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.16	0.20	-0.65
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.43	0.52	-1.71
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.58	3.12	-10.24
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.33	0.40	-1.30
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.58	0.70	-2.31
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	-0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.66	-3.87	-6.24
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.66	-3.87	-6.24
Case County, MI	Ozone	Maintenance	100	-	0.02	0.03	-0.09
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.14	0.17	-0.55
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.14	0.17	-0.55
Charlotte, NC	CO	Maintenance	100	-	0.37	0.45	-1.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.83	1.01	-3.30
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.27	0.33	-1.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.25	0.30	-1.00
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-45.43	-66.25	-112.64
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-45.31	-66.10	-113.12
Chico, CA	CO	Maintenance	100	-	0.05	0.07	-0.22
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.15	-0.50
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.00	1.20	-3.95

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.97	1.17	-3.84
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.76	0.92	-3.01
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.13	0.16	-0.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.09	0.11	-0.36
Cleveland, OH	CO	Maintenance	100	-	0.47	0.57	-1.87
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.30	1.57	-5.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.20	1.45	-4.76
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.32	0.39	-1.28
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.04	-0.12
Colorado Springs, CO	CO	Maintenance	100	-	0.30	0.36	-1.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.33	0.40	-1.30
Columbus, OH	Ozone	Maintenance	100	-	0.85	1.03	-3.37
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.79	0.95	-3.13
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.47	0.57	-1.87
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.39	0.47	-1.53
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.52	4.26	-13.99
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.42	0.51	-1.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.37	0.45	-1.48
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-19.95	-29.08	-49.11
Denver-Boulder, CO	CO	Maintenance	100	-	-20.01	-29.16	-48.85
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-19.64	-28.70	-50.34
Detroit, MI	CO	Maintenance	100	-	-15.78	-22.91	-36.51
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-19.31	-28.34	-52.77
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-19.35	-28.40	-52.60

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.07
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Duluth, MN	CO	Maintenance	100	-	0.04	0.05	-0.16
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-38.65	-55.69	-78.30
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.48	-16.60	-24.55
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	-0.06
Erie, PA	Ozone	Maintenance	100	-	0.11	0.14	-0.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.12	0.14	-0.46
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.11	0.13	-0.44
Evansville, IN	Ozone	Maintenance	100	-	0.13	0.15	-0.51
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.20	-0.65
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.15	0.18	-0.59
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.26	0.32	-1.04
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.09	0.11	-0.35
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.18	0.22	-0.73
Franklin County, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.31
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.26
Fredericksburg, VA	Ozone	Maintenance	100	-	0.21	0.25	-0.83

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Fresno, CA	CO	Maintenance	100	-	0.30	0.36	-1.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.41	0.50	-1.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.08
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.83	1.00	-3.29
Greeley, CO	CO	Maintenance	100	-	0.06	0.08	-0.25
Green Bay, WI	SO _x	Maintenance	100	-	0.06	0.08	-0.25
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.10
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.09
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.82	0.99	-3.25
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.41	0.49	-1.61
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.45	0.55	-1.80
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.06	0.07	-0.23
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.43	0.52	-1.72
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.40	0.48	-1.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.54	0.65	-2.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.08
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.08
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.11	-0.36
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.15	0.18	-0.59
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-157.89	-228.06	-334.33
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-21.06	-30.36	-43.23
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-21.13	-30.45	-42.95
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.06
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.13	-0.44
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.13	-0.43
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.01	1.22	-4.02
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.80	0.97	-3.19
Jackson County, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.16
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.31
Jefferson County, NY	Ozone	Moderate	50	-	0.06	0.08	-0.25
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.11	0.13	-0.43
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.20
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.22
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.25	0.31	-1.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.06
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.84	1.02	-3.34
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.07	0.09	-0.29
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	-0.05
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	-0.05
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.10

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.10
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.60	0.73	-2.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.46	0.56	-1.84
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.07
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.15	0.19	-0.61
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.06
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.04	-0.13
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.04
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.23	0.28	-0.90
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.28	-0.90
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.24	0.29	-0.96
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.06	-0.19
Las Vegas, NV	CO	Serious	100	-	0.76	0.92	-3.01
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.77	0.93	-3.06
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.05	-0.18
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.03
Lima, OH	Ozone	Maintenance	100	-	-26.87	-38.71	-54.34
Longmont, CO	CO	Maintenance	100	-	0.05	0.06	-0.18
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.09

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**Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-68.57	-100.55	-183.95
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-68.57	-100.55	-183.95
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-68.57	-100.55	-183.95
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-68.57	-100.55	-183.95
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-68.58	-100.55	-183.95
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.35	0.42	-1.39
Louisville, KY-IN	Ozone	Maintenance	100	-	0.57	0.69	-2.26
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.55	0.67	-2.19
Lowell, MA	CO	Maintenance	100	-	0.06	0.07	-0.23
Lucas County, OH	SO _x	Maintenance	100	-	0.15	0.18	-0.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.14
Macon, GA	Ozone	Maintenance	100	-	0.11	0.13	-0.42
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.13	-0.41
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Madison, WI	SO _x	Maintenance	100	-	0.12	0.15	-0.49
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Manchester, NH	CO	Maintenance	100	-	0.04	0.05	-0.15
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.20
Marion County, IN	SO _x	Maintenance	100	-	0.16	0.19	-0.63
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.23
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.16	0.19	-0.64
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.05
Medford, OR	CO	Maintenance	100	-	0.04	0.05	-0.16
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.11	-0.37
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.80	-11.35	-18.69
Memphis, TN	CO	Maintenance	100	-	-7.84	-11.40	-18.53
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.06

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.27	0.32	-1.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.90	1.09	-3.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.46	1.76	-5.78
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.42	1.71	-5.62
Missoula, MT	CO	Maintenance	100	-	0.03	0.04	-0.12
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.12
Modesto, CA	CO	Maintenance	100	-	0.16	0.19	-0.62
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.21
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	-0.06
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.23
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.07	0.08	-0.26
Nashua, NH	CO	Maintenance	100	-	0.03	0.04	-0.12
Nashville, TN	Ozone	Former Subpart 1	50	-	0.83	1.00	-3.28
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.07	0.09	-0.28
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.08	-0.28
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.40	0.48	-1.57
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.23	0.28	-0.91
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.72	-7.71	-33.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.44	-8.13	-53.77
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.51	-8.21	-53.52
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.08

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-29.21	-42.26	-63.46
Ogden, UT	CO	Maintenance	100	-	0.04	0.04	-0.14
Ogden, UT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.14
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.07	-0.22
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.07	0.09	-0.29
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.09	-0.29
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.06	-0.20
Perth Amboy, NJ	CO	Maintenance	100	-	-3.17	-4.58	-6.62
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.20	0.24	-0.78
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-44.28	-64.29	-102.38
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-43.35	-63.20	-106.81
Phoenix, AZ	CO	Maintenance	100	-	2.36	2.85	-9.49
Phoenix, AZ	PM ₁₀	Serious	70	-	2.43	2.94	-9.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.44	2.95	-9.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.00	1.21	-4.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.91	1.10	-3.69
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Portland, ME	Ozone	Maintenance	100	-	0.28	0.34	-1.13

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Table B.1-186							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.41	0.46	-2.67
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.09
Poughkeepsie, NY	Ozone	Moderate	50	-	0.69	0.83	-2.74
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.50	0.60	-1.97
Provo, UT	CO	Maintenance	100	-	0.08	0.10	-0.33
Raleigh-Durham, NC	CO	Maintenance	100	-	0.66	0.80	-2.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.90	1.09	-3.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.17	0.20	-0.67
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.20	-0.67
Reno, NV	CO	Maintenance	100	-	0.12	0.15	-0.49
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.57	0.68	-2.55
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.10
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.32	0.39	-1.28
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.13	0.16	-0.53
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.05	-0.16
Rochester, NY	Ozone	Former Subpart 1	50	-	0.68	0.82	-2.68
Rocky Mount, NC	Ozone	Maintenance	100	-	0.09	0.11	-0.37
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.24
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.76	0.91	-3.00
Sacramento Metro, CA	Ozone	Severe	25	-	1.36	1.64	-5.39
Sacramento, CA	CO	Maintenance	100	-	0.84	1.02	-3.35
Salem, OR	CO	Maintenance	100	-	0.07	0.08	-0.26
Salt Lake City, UT	CO	Maintenance	100	-	-7.39	-10.67	-15.50

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Table B.1-186							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.98	-10.17	-17.14
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.52	0.63	-2.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.94	1.13	-3.72
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.22	0.26	-0.86
San Diego, CA	CO	Maintenance	100	-	2.10	2.54	-8.33
San Diego, CA	Ozone	Former Subpart 1	50	-	2.10	2.54	-8.35
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-58.76	-85.38	-137.44
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-58.33	-84.86	-139.15
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.74	1.97	-10.25
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.75	1.98	-10.29
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.74	1.97	-10.25
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.34	0.41	-1.34
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.51	1.82	-5.99
Sheboygan, WI	Ozone	Moderate	50	-	0.06	0.07	-0.24
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.23	0.28	-0.91
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.40
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.15	0.18	-0.59
Spokane, WA	CO	Maintenance	100	-	0.15	0.18	-0.59
Springfield (western MA), MA	Ozone	Moderate	50	-	0.45	0.54	-1.79
Springfield, MA	CO	Maintenance	100	-	0.07	0.09	-0.29
St. Louis, MO	CO	Maintenance	100	-	0.46	0.56	-1.83
St. Louis, MO-IL	Ozone	Moderate	50	-	-119.08	-171.85	-248.25
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-119.09	-171.86	-248.21

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.09	0.10	-0.34
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.03	-0.09
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.16	-0.24	-0.61
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.16	-0.24	-0.61
Stockton, CA	CO	Maintenance	100	-	0.23	0.28	-0.93
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.26	0.31	-1.03
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.26
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.11
Toledo, OH	Ozone	Maintenance	100	-	-27.76	-40.04	-57.45
Toms River, NJ	CO	Maintenance	100	-	0.05	0.06	-0.20
Tooele County, UT	SO _x	Nonattainment	100	-	0.05	0.06	-0.20
Trenton, NJ	CO	Maintenance	100	-	0.04	0.05	-0.18
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.50	0.61	-1.99
Utah County, UT	PM ₁₀	Moderate	100	-	0.24	0.30	-0.97
Vancouver, WA	CO	Maintenance	100	-	0.16	0.19	-0.62
Ventura County, CA	Ozone	Serious	50	-	0.39	0.46	-1.76
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.07	0.08	-0.26
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.03	-0.11
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.11	0.13	-0.43
Washington, DC-MD-VA	CO	Maintenance	100	-	0.79	0.96	-3.14

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Table B.1-186
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.72	3.30	-10.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.67	3.23	-10.59
Washoe County, NV	PM ₁₀	Serious	70	-	0.12	0.15	-0.49
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.04	-0.14
Wayne County, MI	PM ₁₀	Maintenance	100	-	-12.72	-18.32	-25.78
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.08	0.09	-0.30
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.30
Winston-Salem, NC	CO	Maintenance	100	-	0.21	0.25	-0.82
Worcester, MA	CO	Maintenance	100	-	0.11	0.13	-0.44
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.19
Yakima, WA	CO	Maintenance	100	-	0.02	0.02	-0.08
York, PA	Ozone	Maintenance	100	-	0.22	0.27	-0.89
York, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.21	-0.69
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.32	0.39	-1.28
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.11	-0.37

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.57	2.11	-18.62
Albuquerque, NM	CO	Maintenance	100	-	1.17	0.96	-8.47
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.31	0.26	-2.25
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.19	0.97	-8.59
Altoona, PA	Ozone	Maintenance	100	-	0.19	0.15	-1.37
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.41	0.33	-2.93
Anchorage, AK	CO	Maintenance	100	-	0.30	0.25	-2.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	-0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
Atlanta, GA	Ozone	Moderate	50	-	14.06	11.55	-101.81
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	14.07	11.55	-101.86
Atlantic City, NJ	CO	Maintenance	100	-	0.10	0.08	-0.72
Bakersfield, CA	CO	Maintenance	100	-	-0.72	-1.54	-9.40
Baltimore, MD	CO	Maintenance	100	-	0.02	0.02	-0.14
Baltimore, MD	Ozone	Moderate	50	-	6.16	5.06	-44.57
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	6.16	5.06	-44.57
Baton Rouge, LA	Ozone	Moderate	50	-	-97.12	-136.12	-163.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-313.15	-436.70	-494.51
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.33	0.27	-2.37
Benzie County, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.37
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.30	0.25	-2.20
Billings, MT	CO	Maintenance	100	-	-52.03	-72.56	-82.32
Birmingham, AL	Ozone	Maintenance	100	-	-2.70	-4.88	-21.42

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.69	-4.87	-21.47
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.68	0.56	-4.92
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.68	0.56	-4.92
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.04	0.03	-0.27
Boston, MA	CO	Maintenance	100	-	1.68	1.38	-12.14
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	10.25	8.42	-74.20
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.34	1.10	-9.71
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	0.01	-0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.24	1.84	-16.25
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.10
Butte, MT	PM ₁₀	Moderate	100	-	0.04	0.03	-0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.31
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.82	-11.22	-17.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.82	-11.22	-17.10
Case County, MI	Ozone	Maintenance	100	-	0.08	0.07	-0.61
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Charleston, WV	Ozone	Maintenance	100	-	0.51	0.42	-3.68
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.51	0.42	-3.68
Charlotte, NC	CO	Maintenance	100	-	1.56	1.28	-11.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3.44	2.82	-24.90
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.05	0.86	-7.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.97	0.79	-7.08
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-131.64	-191.66	-332.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-131.15	-191.26	-335.69
Chico, CA	CO	Maintenance	100	-	0.26	0.21	-1.88
Chico, CA	Ozone	Former Subpart 1	50	-	0.57	0.47	-4.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	3.95	3.24	-28.60

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3.83	3.14	-27.72
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.18
Clark County, NV	PM ₁₀	Serious	70	-	3.34	2.74	-24.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.54	0.44	-3.92
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.35	0.29	-2.53
Cleveland, OH	CO	Maintenance	100	-	1.69	1.39	-12.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4.98	4.09	-36.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	4.57	3.75	-33.09
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.48	1.22	-10.73
Colbert County, AL	SO _x	Maintenance	100	-	0.11	0.09	-0.78
Colorado Springs, CO	CO	Maintenance	100	-	1.27	1.04	-9.20
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Columbia, SC	Ozone	Former Subpart 1	50	-	1.30	1.07	-9.43
Columbus, OH	Ozone	Maintenance	100	-	3.55	2.92	-25.73
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3.30	2.71	-23.92
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.69	1.39	-12.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.41	1.16	-10.19
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	15.02	12.34	-108.76
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.59	1.30	-11.48
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.40	1.15	-10.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-57.62	-83.91	-145.60
Denver-Boulder, CO	CO	Maintenance	100	-	-57.90	-84.14	-143.59
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-56.31	-82.83	-155.09
Detroit, MI	CO	Maintenance	100	-	-45.81	-65.46	-96.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-55.34	-82.35	-167.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-55.51	-82.49	-165.83

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.08	0.06	-0.56
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.07	0.06	-0.50
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.06	0.05	-0.40
Duluth, MN	CO	Maintenance	100	-	0.15	0.12	-1.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-115.16	-160.65	-182.83
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-33.98	-47.90	-61.71
El Paso, TX	CO	Maintenance	100	-	0.06	0.05	-0.45
Erie, PA	Ozone	Maintenance	100	-	0.43	0.36	-3.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.47	0.39	-3.42
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.45	0.37	-3.27
Evansville, IN	Ozone	Maintenance	100	-	0.50	0.41	-3.60
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.63	0.52	-4.59
Fairbanks, AK	CO	Maintenance	100	-	0.04	0.03	-0.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.59	0.48	-4.25
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.11
Flint, MI	Ozone	Maintenance	100	-	1.00	0.82	-7.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.38	0.32	-2.78
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.73	0.60	-5.27
Franklin County, PA	Ozone	Maintenance	100	-	0.31	0.26	-2.25
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.26	0.21	-1.89
Fredericksburg, VA	Ozone	Maintenance	100	-	0.91	0.75	-6.61

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.04	0.03	-0.28
Fresno, CA	CO	Maintenance	100	-	1.25	1.03	-9.13
Grand Rapids, MI	Ozone	Maintenance	100	-	1.69	1.39	-12.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.07	0.06	-0.54
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.07	0.06	-0.52
Great Falls, MT	CO	Maintenance	100	-	0.03	0.03	-0.25
Greater Connecticut, CT	Ozone	Moderate	50	-	3.18	2.62	-23.06
Greeley, CO	CO	Maintenance	100	-	0.26	0.21	-1.87
Green Bay, WI	SO _x	Maintenance	100	-	0.25	0.20	-1.80
Greene County, IN	Ozone	Maintenance	100	-	0.10	0.08	-0.70
Greene County, PA	Ozone	Maintenance	100	-	0.09	0.07	-0.63
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3.19	2.62	-23.08
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.56	1.28	-11.30
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.72	1.41	-12.47
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.04	0.04	-0.32
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.23	0.19	-1.67
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.77	1.45	-12.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.63	1.34	-11.79
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.03	1.67	-14.73
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.02	-0.16
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.09	0.07	-0.62
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Hazelwood, PA	SO _x	Maintenance	100	-	0.08	0.06	-0.57
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.34	0.28	-2.43
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.56	0.46	-4.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-467.63	-658.13	-830.63
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-62.67	-87.63	-102.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-62.94	-87.85	-100.67
Huron County, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.39
Imperial County, CA	Ozone	Moderate	50	-	0.48	0.40	-3.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.47	0.39	-3.42
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.06	0.05	-0.46
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	4.12	3.39	-29.84
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3.27	2.69	-23.71
Jackson County, IN	Ozone	Maintenance	100	-	0.15	0.13	-1.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.30	0.25	-2.18
Jefferson County, NY	Ozone	Moderate	50	-	0.24	0.20	-1.76
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.41	0.34	-3.00
Johnstown, PA	Ozone	Maintenance	100	-	0.17	0.14	-1.24
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.16	-1.37
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.18
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.98	0.81	-7.11
Kalispell, MT	PM ₁₀	Moderate	100	-	0.06	0.05	-0.46
Kansas City, MO-KS	Ozone	Maintenance	100	-	3.44	2.82	-24.90
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.30	0.24	-2.16
Kent, WA	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.39
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.16	0.13	-1.18
Kewaunee County, WI	Ozone	Maintenance	100	-	0.05	0.04	-0.34
King County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.16
Klamath Falls, OR	CO	Maintenance	100	-	0.09	0.08	-0.69

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.09	0.08	-0.69
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.53	2.08	-18.32
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.93	1.59	-13.97
La Porte County, IN	SO _x	Maintenance	100	-	0.06	0.05	-0.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.21
Lake County, IN	SO _x	Maintenance	100	-	0.57	0.47	-4.13
Lake County, OH	SO _x	Maintenance	100	-	0.07	0.06	-0.50
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.07	0.06	-0.52
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.16	0.13	-1.15
Lake Tahoe, NV	CO	Maintenance	100	-	0.04	0.03	-0.29
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.12
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.91	0.75	-6.59
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.91	0.75	-6.59
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.95	0.78	-6.85
LaPorte, IN	Ozone	Maintenance	100	-	0.18	0.15	-1.30
Las Vegas, NV	CO	Serious	100	-	3.34	2.74	-24.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.38	2.77	-24.45
Lauderdale County, AL	SO _x	Maintenance	100	-	0.17	0.14	-1.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.18
Lima, OH	Ozone	Maintenance	100	-	-80.08	-111.68	-126.57
Longmont, CO	CO	Maintenance	100	-	0.20	0.16	-1.45
Lorain County, OH	SO _x	Maintenance	100	-	0.09	0.07	-0.66

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-195.43	-290.59	-586.23
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-195.43	-290.59	-586.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-195.43	-290.59	-586.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-195.43	-290.59	-586.24
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-195.43	-290.59	-586.22
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.46	1.20	-10.61
Louisville, KY-IN	Ozone	Maintenance	100	-	2.19	1.80	-15.85
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.10	1.72	-15.20
Lowell, MA	CO	Maintenance	100	-	0.24	0.19	-1.70
Lucas County, OH	SO _x	Maintenance	100	-	0.56	0.46	-4.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.09	0.06	-0.88
Macon, GA	Ozone	Maintenance	100	-	0.39	0.32	-2.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.38	0.31	-2.76
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Madison, WI	SO _x	Maintenance	100	-	0.53	0.44	-3.86
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.18
Manchester, NH	CO	Maintenance	100	-	0.14	0.12	-1.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.19	0.16	-1.40
Marion County, IN	SO _x	Maintenance	100	-	0.59	0.48	-4.26
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.26	0.21	-1.89
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.64	0.52	-4.60
Mason County, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.38
Medford, OR	CO	Maintenance	100	-	0.17	0.14	-1.25
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.41	0.34	-3.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-22.88	-32.95	-52.19
Memphis, TN	CO	Maintenance	100	-	-23.02	-33.07	-51.15
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.06	0.05	-0.46

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Milwaukee, WI	SO _x	Maintenance	100	-	1.00	0.82	-7.25
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.58	2.94	-25.90
Minneapolis-St Paul, MN	CO	Maintenance	100	-	5.92	4.86	-42.84
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	5.75	4.72	-41.62
Missoula, MT	CO	Maintenance	100	-	0.13	0.10	-0.91
Missoula, MT	PM ₁₀	Moderate	100	-	0.12	0.10	-0.88
Modesto, CA	CO	Maintenance	100	-	0.70	0.57	-5.06
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.24	0.19	-1.72
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.07	0.06	-0.52
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.05	0.04	-0.39
Muncie, IN	Ozone	Maintenance	100	-	0.21	0.17	-1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.03	0.03	-0.22
Muskegon, MI	Ozone	Maintenance	100	-	0.26	0.21	-1.88
Nashua, NH	CO	Maintenance	100	-	0.11	0.09	-0.83
Nashville, TN	Ozone	Former Subpart 1	50	-	3.40	2.79	-24.63
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.35	0.28	-2.50
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.30	0.25	-2.16
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.51	1.24	-10.93
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.01	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	0.84	0.69	-6.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-10.59	-23.48	-150.64
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-6.16	-25.42	-268.60
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-6.42	-25.64	-266.71
Nogales, AZ	PM ₁₀	Moderate	100	-	0.08	0.07	-0.61

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-86.38	-122.11	-161.78
Ogden, UT	CO	Maintenance	100	-	0.14	0.11	-0.98
Ogden, UT	PM ₁₀	Moderate	100	-	0.14	0.11	-0.98
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.23	0.19	-1.68
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.28	0.23	-2.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.28	0.23	-2.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.30
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.18	0.14	-1.37
Perth Amboy, NJ	CO	Maintenance	100	-	-9.41	-13.21	-16.21
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.71	0.58	-5.15
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-130.04	-186.12	-278.76
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-126.28	-183.24	-309.33
Phoenix, AZ	CO	Maintenance	100	-	11.23	9.19	-81.87
Phoenix, AZ	PM ₁₀	Serious	70	-	11.54	9.44	-84.12
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	11.58	9.47	-84.36
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.05	0.04	-0.38
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	3.80	3.10	-27.79
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	3.46	2.83	-25.38
Polk County, TN	SO _x	Maintenance	100	-	0.04	0.03	-0.29
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Portland, ME	Ozone	Maintenance	100	-	1.11	0.91	-8.10

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.76	1.15	-17.31
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.08	0.07	-0.61
Poughkeepsie, NY	Ozone	Moderate	50	-	2.96	2.43	-21.44
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	2.00	1.64	-14.49
Provo, UT	CO	Maintenance	100	-	0.35	0.29	-2.56
Raleigh-Durham, NC	CO	Maintenance	100	-	2.78	2.28	-20.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.78	3.10	-27.35
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Reading, PA	Ozone	Maintenance	100	-	0.65	0.54	-4.73
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.65	0.54	-4.73
Reno, NV	CO	Maintenance	100	-	0.49	0.40	-3.53
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.29	1.80	-17.75
Rillito, AZ	PM ₁₀	Moderate	100	-	0.11	0.09	-0.79
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.48	1.22	-10.73
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.50	0.41	-3.64
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.16	0.14	-1.19
Rochester, NY	Ozone	Former Subpart 1	50	-	2.63	2.16	-19.06
Rocky Mount, NC	Ozone	Maintenance	100	-	0.35	0.29	-2.57
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.23	0.19	-1.69
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.39	2.78	-24.51
Sacramento Metro, CA	Ozone	Severe	25	-	6.21	5.10	-44.96
Sacramento, CA	CO	Maintenance	100	-	3.81	3.13	-27.55
Salem, OR	CO	Maintenance	100	-	0.25	0.21	-1.84
Salt Lake City, UT	CO	Maintenance	100	-	-21.93	-30.80	-38.00

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-20.26	-29.43	-50.06
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.10	1.73	-15.22
San Antonio, TX	Ozone	Former Subpart 1	50	-	3.85	3.16	-27.87
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.91	0.75	-6.58
San Diego, CA	CO	Maintenance	100	-	9.20	7.56	-66.63
San Diego, CA	Ozone	Former Subpart 1	50	-	9.22	7.57	-66.76
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-171.23	-246.34	-386.56
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-169.50	-244.92	-399.12
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.53	6.05	-76.44
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.56	6.07	-76.67
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.53	6.05	-76.44
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.07	0.06	-0.53
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.32	1.08	-9.53
Seattle-Tacoma, WA	CO	Maintenance	100	-	6.23	5.12	-45.11
Sheboygan, WI	Ozone	Moderate	50	-	0.24	0.20	-1.75
Sheridan, WY	PM ₁₀	Moderate	100	-	0.04	0.03	-0.31
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.04	0.03	-0.26
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.89	0.73	-6.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.23	0.16	-2.22
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.62	0.51	-4.46
Spokane, WA	CO	Maintenance	100	-	0.61	0.50	-4.41
Springfield (western MA), MA	Ozone	Moderate	50	-	1.76	1.44	-12.72
Springfield, MA	CO	Maintenance	100	-	0.29	0.24	-2.12
St. Louis, MO	CO	Maintenance	100	-	1.62	1.33	-11.70
St. Louis, MO-IL	Ozone	Moderate	50	-	-353.86	-496.21	-600.83
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-353.90	-496.24	-600.56

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Table B.1-187							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.36	0.29	-2.58
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.31
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.08	0.06	-0.56
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.45	-0.73	-2.23
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.45	-0.73	-2.23
Stockton, CA	CO	Maintenance	100	-	1.06	0.87	-7.64
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.98	0.80	-7.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Terre Haute, IN	Ozone	Maintenance	100	-	0.24	0.19	-1.72
Tioga County, PA	Ozone	Maintenance	100	-	0.10	0.09	-0.76
Toledo, OH	Ozone	Maintenance	100	-	-82.55	-115.60	-137.77
Toms River, NJ	CO	Maintenance	100	-	0.22	0.18	-1.57
Tooele County, UT	SO _x	Nonattainment	100	-	0.21	0.17	-1.49
Trenton, NJ	CO	Maintenance	100	-	0.18	0.15	-1.28
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Tucson, AZ	CO	Maintenance	100	-	2.11	1.73	-15.24
Utah County, UT	PM ₁₀	Moderate	100	-	1.03	0.84	-7.44
Vancouver, WA	CO	Maintenance	100	-	0.68	0.56	-4.95
Ventura County, CA	Ozone	Serious	50	-	1.77	1.39	-13.74
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.24	0.19	-1.72
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.11	0.09	-0.80
Warren County, NJ	SO _x	Maintenance	100	-	0.07	0.06	-0.52
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.28
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.41	0.34	-3.00
Washington, DC-MD-VA	CO	Maintenance	100	-	3.17	2.60	-22.92

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Table B.1-187
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	11.33	9.30	-82.02
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	11.08	9.10	-80.20
Washoe County, NV	PM ₁₀	Serious	70	-	0.49	0.40	-3.53
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.13	0.10	-0.92
Wayne County, MI	PM ₁₀	Maintenance	100	-	-38.08	-53.15	-60.79
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.12
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.02	-0.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.27	0.22	-1.93
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.27	0.22	-1.93
Winston-Salem, NC	CO	Maintenance	100	-	0.82	0.68	-5.97
Worcester, MA	CO	Maintenance	100	-	0.46	0.38	-3.34
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.19	0.15	-1.37
Yakima, WA	CO	Maintenance	100	-	0.08	0.07	-0.62
York, PA	Ozone	Maintenance	100	-	0.91	0.75	-6.61
York, PA	PM _{2.5}	Nonattainment	100	-	0.71	0.58	-5.13
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.17	0.96	-8.46
Yuma, AZ	PM ₁₀	Moderate	100	-	0.40	0.33	-2.91

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.02	-0.09
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	7.99	7.24	-25.28
Albuquerque, NM	CO	Maintenance	100	-	3.59	3.26	-11.37
Allegan County, MI	Ozone	Former Subpart 1	50	-	1.01	0.92	-3.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	3.67	3.33	-11.61
Altoona, PA	Ozone	Maintenance	100	-	0.54	0.49	-1.73
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.45	1.31	-4.57
Anchorage, AK	CO	Maintenance	100	-	0.97	0.88	-3.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.04	0.04	-0.14
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.03	-0.10
Aspen, CO	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.15
Atlanta, GA	Ozone	Moderate	50	-	45.22	41.00	-143.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	45.24	41.02	-143.15
Atlantic City, NJ	CO	Maintenance	100	-	0.30	0.27	-0.93
Bakersfield, CA	CO	Maintenance	100	-	-0.31	-1.26	-13.90
Baltimore, MD	CO	Maintenance	100	-	0.06	0.05	-0.18
Baltimore, MD	Ozone	Moderate	50	-	19.49	17.67	-61.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	19.49	17.67	-61.67
Baton Rouge, LA	Ozone	Moderate	50	-	-194.72	-234.05	-266.30
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-632.08	-756.25	-810.64
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.92	0.84	-2.92
Benzie County, MI	Ozone	Maintenance	100	-	0.17	0.16	-0.55
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.96	0.87	-3.05
Billings, MT	CO	Maintenance	100	-	-104.98	-125.62	-134.95
Birmingham, AL	Ozone	Maintenance	100	-	-3.55	-5.93	-30.45

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.52	-5.91	-30.52
Boise-Northern Ada County, ID	CO	Maintenance	100	-	2.18	1.97	-6.89
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	2.18	1.97	-6.89
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.13	0.12	-0.40
Boston, MA	CO	Maintenance	100	-	5.12	4.64	-16.21
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	31.77	28.80	-100.52
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	4.24	3.85	-13.42
Boyd County (part), KY	SO _x	Maintenance	100	-	0.05	0.05	-0.17
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	6.77	6.14	-21.43
Burlington, NJ	CO	Maintenance	100	-	0.03	0.03	-0.09
Butte, MT	PM ₁₀	Moderate	100	-	0.10	0.09	-0.32
Canon City, CO	PM ₁₀	Maintenance	100	-	0.15	0.13	-0.46
Canton-Massillon, OH	Ozone	Maintenance	100	-	-15.29	-18.75	-26.66
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-15.29	-18.75	-26.66
Case County, MI	Ozone	Maintenance	100	-	0.25	0.23	-0.80
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.01	0.00	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.03	0.03	-0.09
Charleston, WV	Ozone	Maintenance	100	-	1.45	1.31	-4.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.45	1.31	-4.58
Charlotte, NC	CO	Maintenance	100	-	5.04	4.57	-15.95
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	11.01	9.99	-34.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	3.19	2.89	-10.16
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	2.95	2.67	-9.42
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-249.72	-311.65	-517.84
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-248.19	-310.26	-522.69
Chico, CA	CO	Maintenance	100	-	0.93	0.85	-2.95
Chico, CA	Ozone	Former Subpart 1	50	-	1.96	1.77	-6.19
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	12.23	11.09	-38.69

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Table B.1-188							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	11.83	10.73	-37.44
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.06	0.06	-0.20
Clark County, NV	PM ₁₀	Serious	70	-	11.19	10.15	-35.41
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.73	1.57	-5.47
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.05	0.96	-3.34
Cleveland, OH	CO	Maintenance	100	-	4.76	4.32	-15.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	14.94	13.54	-47.26
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	13.66	12.38	-43.21
Coachella Valley, CA	PM ₁₀	Serious	70	-	5.12	4.64	-16.20
Colbert County, AL	SO _x	Maintenance	100	-	0.30	0.27	-0.95
Colorado Springs, CO	CO	Maintenance	100	-	4.16	3.78	-13.17
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.13
Columbia, SC	Ozone	Former Subpart 1	50	-	4.05	3.68	-12.83
Columbus, OH	Ozone	Maintenance	100	-	11.49	10.42	-36.36
Columbus, OH	PM _{2.5}	Nonattainment	100	-	10.70	9.70	-33.86
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	4.76	4.32	-15.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	4.10	3.72	-12.98
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	49.28	44.69	-155.93
Dayton-Springfield, OH	Ozone	Maintenance	100	-	4.68	4.24	-14.79
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	4.11	3.72	-12.99
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-108.66	-135.84	-228.96
Denver-Boulder, CO	CO	Maintenance	100	-	-109.57	-136.67	-226.07
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-104.39	-131.97	-242.47
Detroit, MI	CO	Maintenance	100	-	-96.70	-117.74	-155.37
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-102.01	-130.10	-254.37
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-102.54	-130.58	-252.70

Appendix B

Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.25	0.22	-0.78
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.20	0.18	-0.64
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.17	0.15	-0.53
Duluth, MN	CO	Maintenance	100	-	0.44	0.40	-1.40
Eagle River, AK	PM ₁₀	Moderate	100	-	0.06	0.06	-0.20
East Chicago, IN	CO	Maintenance	100	-	0.01	0.00	-0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-232.34	-278.07	-299.42
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-67.53	-81.64	-99.46
El Paso, TX	CO	Maintenance	100	-	0.19	0.17	-0.59
Erie, PA	Ozone	Maintenance	100	-	1.29	1.17	-4.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	1.50	1.36	-4.73
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.44	1.30	-4.55
Evansville, IN	Ozone	Maintenance	100	-	1.51	1.37	-4.78
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.91	1.73	-6.04
Fairbanks, AK	CO	Maintenance	100	-	0.12	0.11	-0.39
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.81	1.64	-5.73
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.05	-0.16
Flint, MI	Ozone	Maintenance	100	-	3.01	2.73	-9.54
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	1.27	1.15	-4.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	2.25	2.04	-7.11
Franklin County, PA	Ozone	Maintenance	100	-	0.98	0.89	-3.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.81	0.73	-2.56
Fredericksburg, VA	Ozone	Maintenance	100	-	3.04	2.76	-9.63

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.14	0.13	-0.44
Fresno, CA	CO	Maintenance	100	-	4.06	3.68	-12.90
Grand Rapids, MI	Ozone	Maintenance	100	-	5.38	4.88	-17.02
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.21	0.19	-0.66
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.24	0.22	-0.76
Great Falls, MT	CO	Maintenance	100	-	0.09	0.08	-0.29
Greater Connecticut, CT	Ozone	Moderate	50	-	9.57	8.68	-30.28
Greeley, CO	CO	Maintenance	100	-	0.83	0.75	-2.62
Green Bay, WI	SO _x	Maintenance	100	-	0.77	0.70	-2.44
Greene County, IN	Ozone	Maintenance	100	-	0.30	0.27	-0.94
Greene County, PA	Ozone	Maintenance	100	-	0.26	0.23	-0.82
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	9.70	8.80	-30.70
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	4.71	4.27	-14.90
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	5.13	4.65	-16.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.13	0.12	-0.42
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.71	0.64	-2.25
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	5.61	5.08	-17.74
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	5.17	4.68	-16.35
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	6.03	5.47	-19.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.07	0.07	-0.23
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.29	0.26	-0.91
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.03	0.03	-0.10
Hazelwood, PA	SO _x	Maintenance	100	-	0.24	0.22	-0.78
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.98	0.89	-3.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.68	1.53	-5.33
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.04

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Table B.1-188							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-931.63	-1,124.30	-1,343.23
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.02	-0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-126.12	-151.25	-167.13
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-126.95	-152.00	-164.52
Huron County, MI	Ozone	Maintenance	100	-	0.16	0.14	-0.50
Imperial County, CA	Ozone	Moderate	50	-	1.61	1.46	-5.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.58	1.43	-5.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.19	0.17	-0.60
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	13.04	11.83	-41.27
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	10.38	9.41	-32.84
Jackson County, IN	Ozone	Maintenance	100	-	0.46	0.42	-1.47
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.91	0.82	-2.87
Jefferson County, NY	Ozone	Moderate	50	-	0.74	0.67	-2.34
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.11
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.23	1.12	-3.90
Johnstown, PA	Ozone	Maintenance	100	-	0.45	0.41	-1.43
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.50	0.45	-1.57
Juneau, AK	PM ₁₀	Moderate	100	-	0.09	0.08	-0.27
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	2.96	2.69	-9.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.21	0.19	-0.66
Kansas City, MO-KS	Ozone	Maintenance	100	-	10.91	9.89	-34.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.95	0.86	-3.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.18	0.17	-0.58
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.49	0.45	-1.56
Kewaunee County, WI	Ozone	Maintenance	100	-	0.14	0.13	-0.45
King County, WA	PM ₁₀	Maintenance	100	-	0.07	0.06	-0.22
Klamath Falls, OR	CO	Maintenance	100	-	0.28	0.26	-0.89

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.28	0.26	-0.89
Knoxville, TN	Ozone	Former Subpart 1	50	-	8.23	7.46	-26.04
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	6.20	5.63	-19.63
La Porte County, IN	SO _x	Maintenance	100	-	0.19	0.17	-0.59
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.09	0.08	-0.29
Lake County, IN	SO _x	Maintenance	100	-	1.66	1.51	-5.26
Lake County, OH	SO _x	Maintenance	100	-	0.21	0.19	-0.65
Lake County, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.11
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.26	0.24	-0.83
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.59	0.54	-1.88
Lake Tahoe, NV	CO	Maintenance	100	-	0.12	0.11	-0.38
Lamar, CO	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.16
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	2.84	2.58	-8.99
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.84	2.58	-8.99
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	2.90	2.63	-9.18
LaPorte, IN	Ozone	Maintenance	100	-	0.51	0.47	-1.63
Las Vegas, NV	CO	Serious	100	-	11.19	10.15	-35.41
Las Vegas, NV	Ozone	Former Subpart 1	50	-	11.31	10.25	-35.78
Lauderdale County, AL	SO _x	Maintenance	100	-	0.48	0.44	-1.53
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.10
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-0.20
Lima, OH	Ozone	Maintenance	100	-	-161.62	-193.38	-207.45
Longmont, CO	CO	Maintenance	100	-	0.68	0.61	-2.14
Lorain County, OH	SO _x	Maintenance	100	-	0.28	0.26	-0.89

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-356.70	-456.13	-907.98
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-356.70	-456.13	-907.98
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-356.70	-456.13	-907.98
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-356.70	-456.13	-907.99
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-356.71	-456.13	-907.97
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	4.75	4.31	-15.03
Louisville, KY-IN	Ozone	Maintenance	100	-	6.59	5.98	-20.86
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	6.27	5.68	-19.84
Lowell, MA	CO	Maintenance	100	-	0.76	0.69	-2.41
Lucas County, OH	SO _x	Maintenance	100	-	1.61	1.46	-5.09
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.29	0.25	-1.13
Macon, GA	Ozone	Maintenance	100	-	1.10	1.00	-3.49
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.09	0.99	-3.44
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Madison, WI	SO _x	Maintenance	100	-	1.77	1.60	-5.60
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.09	0.08	-0.29
Manchester, NH	CO	Maintenance	100	-	0.39	0.36	-1.24
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.57	0.52	-1.82
Marion County, IN	SO _x	Maintenance	100	-	1.72	1.56	-5.45
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.90	0.82	-2.85
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.96	1.78	-6.19
Mason County, MI	Ozone	Maintenance	100	-	0.17	0.15	-0.52
Medford, OR	CO	Maintenance	100	-	0.58	0.53	-1.84
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.40	1.27	-4.43
Memphis, TN-AR	Ozone	Maintenance	100	-	-44.52	-54.81	-80.81
Memphis, TN	CO	Maintenance	100	-	-44.92	-55.17	-79.55
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.21	0.19	-0.67

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Table B.1-188							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.02	-0.08
Milwaukee, WI	SO _x	Maintenance	100	-	2.98	2.70	-9.42
Milwaukee-Racine, WI	Ozone	Moderate	50	-	11.11	10.07	-35.15
Minneapolis-St Paul, MN	CO	Maintenance	100	-	18.70	16.96	-59.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	18.15	16.46	-57.44
Missoula, MT	CO	Maintenance	100	-	0.39	0.36	-1.25
Missoula, MT	PM ₁₀	Moderate	100	-	0.38	0.35	-1.21
Modesto, CA	CO	Maintenance	100	-	2.35	2.13	-7.44
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.81	0.74	-2.58
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Morristown, NJ	CO	Maintenance	100	-	0.25	0.23	-0.79
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.16	0.14	-0.50
Muncie, IN	Ozone	Maintenance	100	-	0.57	0.52	-1.81
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.04	0.03	-0.11
Muscatine County, IA	SO _x	Maintenance	100	-	0.10	0.09	-0.31
Muskegon, MI	Ozone	Maintenance	100	-	0.80	0.73	-2.54
Nashua, NH	CO	Maintenance	100	-	0.32	0.29	-1.02
Nashville, TN	Ozone	Former Subpart 1	50	-	10.86	9.85	-34.36
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.24	1.12	-3.92
New Haven County, CT	PM ₁₀	Maintenance	100	-	1.01	0.91	-3.18
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	4.50	4.08	-14.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.03	0.03	-0.11
New York County, NY	PM ₁₀	Moderate	100	-	2.42	2.20	-7.66
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-6.11	-20.61	-212.03
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	18.38	-4.10	-376.85
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	17.54	-4.86	-374.22
Nogales, AZ	PM ₁₀	Moderate	100	-	0.27	0.24	-0.84

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-171.38	-207.59	-258.87
Ogden, UT	CO	Maintenance	100	-	0.41	0.37	-1.28
Ogden, UT	PM ₁₀	Moderate	100	-	0.41	0.37	-1.28
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.11	0.10	-0.34
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.76	0.69	-2.40
Owens Valley, CA	PM ₁₀	Serious	70	-	0.04	0.03	-0.11
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.82	0.74	-2.59
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.82	0.74	-2.61
Payson, AZ	PM ₁₀	Maintenance	100	-	0.13	0.12	-0.42
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.54	0.48	-1.76
Perth Amboy, NJ	CO	Maintenance	100	-	-18.76	-22.60	-26.49
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.02	1.83	-6.38
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-254.04	-311.25	-437.93
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-241.99	-300.53	-479.16
Phoenix, AZ	CO	Maintenance	100	-	39.81	36.07	-126.47
Phoenix, AZ	PM ₁₀	Serious	70	-	40.83	36.99	-129.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	40.93	37.08	-130.00
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.06	0.05	-0.18
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.00	-0.02
Pittsburgh, PA	CO	Maintenance	100	-	0.19	0.18	-0.63
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	11.31	10.24	-36.10
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	10.32	9.34	-32.97
Polk County, TN	SO _x	Maintenance	100	-	0.12	0.11	-0.39
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07
Portland, ME	Ozone	Maintenance	100	-	3.43	3.11	-10.90

Appendix B

Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	5.91	5.06	-23.31
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.25	0.23	-0.79
Poughkeepsie, NY	Ozone	Moderate	50	-	9.77	8.86	-30.92
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.15
Providence (entire State), RI	Ozone	Moderate	50	-	6.28	5.69	-19.86
Provo, UT	CO	Maintenance	100	-	1.17	1.06	-3.70
Raleigh-Durham, NC	CO	Maintenance	100	-	9.05	8.20	-28.62
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	12.26	11.12	-38.81
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Reading, PA	Ozone	Maintenance	100	-	1.99	1.80	-6.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.99	1.80	-6.29
Reno, NV	CO	Maintenance	100	-	1.50	1.36	-4.75
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	7.17	6.42	-23.82
Rillito, AZ	PM ₁₀	Moderate	100	-	0.37	0.34	-1.18
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	5.12	4.64	-16.20
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.50	1.36	-4.74
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.52	0.47	-1.64
Rochester, NY	Ozone	Former Subpart 1	50	-	8.03	7.28	-25.39
Rocky Mount, NC	Ozone	Maintenance	100	-	1.05	0.95	-3.32
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.71	0.64	-2.24
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	11.52	10.44	-36.45
Sacramento Metro, CA	Ozone	Severe	25	-	21.37	19.38	-67.63
Sacramento, CA	CO	Maintenance	100	-	12.96	11.76	-41.02
Salem, OR	CO	Maintenance	100	-	0.76	0.69	-2.42
Salt Lake City, UT	CO	Maintenance	100	-	-43.81	-52.77	-61.62

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Table B.1-188							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-38.57	-48.02	-78.18
Salt Lake County, UT	SO _x	Nonattainment	100	-	6.62	6.00	-20.94
San Antonio, TX	Ozone	Former Subpart 1	50	-	12.26	11.11	-38.78
San Bernardino County, CA	PM ₁₀	Moderate	100	-	2.89	2.62	-9.13
San Diego, CA	CO	Maintenance	100	-	30.83	27.96	-97.56
San Diego, CA	Ozone	Former Subpart 1	50	-	30.89	28.01	-97.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-329.25	-406.38	-613.32
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-323.86	-401.49	-630.37
San Joaquin Valley, CA	Ozone	Extreme	10	-	31.09	27.22	-113.35
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	31.17	27.29	-113.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	31.09	27.22	-113.35
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.24	0.22	-0.77
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	4.01	3.64	-12.70
Seattle-Tacoma, WA	CO	Maintenance	100	-	19.93	18.07	-63.06
Sheboygan, WI	Ozone	Moderate	50	-	0.76	0.69	-2.41
Sheridan, WY	PM ₁₀	Moderate	100	-	0.13	0.11	-0.40
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.11	0.10	-0.36
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.71	2.46	-8.59
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.62	0.53	-2.43
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.96	1.78	-6.21
Spokane, WA	CO	Maintenance	100	-	1.94	1.76	-6.14
Springfield (western MA), MA	Ozone	Moderate	50	-	5.36	4.86	-16.95
Springfield, MA	CO	Maintenance	100	-	0.94	0.85	-2.98
St. Louis, MO	CO	Maintenance	100	-	4.44	4.02	-14.03
St. Louis, MO-IL	Ozone	Moderate	50	-	-709.74	-853.25	-972.93
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-709.85	-853.35	-972.58

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Table B.1-188							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Particulate Matter 2.5 (PM_{2.5}) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.14	1.04	-3.62
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.15	0.14	-0.47
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.22	0.20	-0.69
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.77	-1.07	-3.15
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.77	-1.07	-3.15
Stockton, CA	CO	Maintenance	100	-	3.65	3.31	-11.56
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	2.91	2.64	-9.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	0.66	0.60	-2.10
Tioga County, PA	Ozone	Maintenance	100	-	0.30	0.27	-0.96
Toledo, OH	Ozone	Maintenance	100	-	-165.84	-199.13	-223.73
Toms River, NJ	CO	Maintenance	100	-	0.73	0.66	-2.31
Tooele County, UT	SO _x	Nonattainment	100	-	0.65	0.59	-2.06
Trenton, NJ	CO	Maintenance	100	-	0.56	0.50	-1.76
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.08
Tucson, AZ	CO	Maintenance	100	-	6.83	6.19	-21.60
Utah County, UT	PM ₁₀	Moderate	100	-	3.33	3.02	-10.55
Vancouver, WA	CO	Maintenance	100	-	2.27	2.06	-7.19
Ventura County, CA	Ozone	Serious	50	-	6.10	5.47	-20.25
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.12
Vigo County, IN	SO _x	Maintenance	100	-	0.66	0.60	-2.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.34	0.30	-1.06
Warren County, NJ	SO _x	Maintenance	100	-	0.23	0.20	-0.71
Warren County, PA	SO _x	Nonattainment	100	-	-0.06	-0.10	-0.40
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.26	1.14	-3.97
Washington, DC-MD-VA	CO	Maintenance	100	-	10.18	9.23	-32.20

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Table B.1-188
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	36.47	33.07	-115.38
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	35.62	32.30	-112.71
Washoe County, NV	PM ₁₀	Serious	70	-	1.50	1.36	-4.75
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Wayne County, IN	SO _x	Maintenance	100	-	0.35	0.32	-1.12
Wayne County, MI	PM ₁₀	Maintenance	100	-	-79.79	-95.60	-104.41
Weirton, WV	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.12
Weirton, WV	SO _x	Maintenance	100	-	0.05	0.05	-0.16
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.74	0.67	-2.35
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.74	0.67	-2.35
Winston-Salem, NC	CO	Maintenance	100	-	2.56	2.32	-8.09
Worcester, MA	CO	Maintenance	100	-	1.52	1.38	-4.81
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.59	0.53	-1.86
Yakima, WA	CO	Maintenance	100	-	0.29	0.26	-0.92
York, PA	Ozone	Maintenance	100	-	2.89	2.62	-9.14
York, PA	PM _{2.5}	Nonattainment	100	-	2.24	2.03	-7.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	3.33	3.02	-10.54
Yuma, AZ	PM ₁₀	Moderate	100	-	1.33	1.20	-4.20

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-189
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.79	-3.65	-6.68
Albuquerque, NM	CO	Maintenance	100	-	-1.29	-1.69	-3.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.31	-0.41	-0.75
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.30	-1.69	-3.11
Altoona, PA	Ozone	Maintenance	100	-	-0.25	-0.32	-0.57
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.34	-0.44	-0.80
Anchorage, AK	CO	Maintenance	100	-	-0.30	-0.39	-0.72
Anthony, NM	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Atlanta, GA	Ozone	Moderate	50	-	-14.38	-18.82	-34.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-14.39	-18.83	-34.50
Atlantic City, NJ	CO	Maintenance	100	-	-0.11	-0.15	-0.27
Bakersfield, CA	CO	Maintenance	100	-	-4.37	-5.69	-6.54
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.03	-0.05
Baltimore, MD	Ozone	Moderate	50	-	-6.46	-8.46	-15.50
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-6.46	-8.46	-15.50
Baton Rouge, LA	Ozone	Moderate	50	-	-38.57	-50.13	-49.89
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-515.22	-669.43	-643.43
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.41	-0.53	-0.97
Benzie County, MI	Ozone	Maintenance	100	-	-0.05	-0.06	-0.11
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.32	-0.41	-0.76
Billings, MT	CO	Maintenance	100	-	-73.22	-95.13	-91.48
Birmingham, AL	Ozone	Maintenance	100	-	-2.32	-3.04	-5.48

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Table B.1-189							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.33	-3.05	-5.49
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.70	-0.92	-1.68
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.70	-0.92	-1.68
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.08
Boston, MA	CO	Maintenance	100	-	-1.88	-2.45	-4.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-11.14	-14.58	-26.71
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.40	-1.84	-3.37
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.54	-3.33	-6.10
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.02	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.11
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Canton-Massillon, OH	Ozone	Maintenance	100	-	-4.06	-5.29	-5.82
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-4.06	-5.29	-5.82
Case County, MI	Ozone	Maintenance	100	-	-0.10	-0.13	-0.23
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Charleston, WV	Ozone	Maintenance	100	-	-0.62	-0.81	-1.49
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.62	-0.81	-1.49
Charlotte, NC	CO	Maintenance	100	-	-1.58	-2.06	-3.78
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.54	-4.64	-8.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.21	-1.58	-2.89
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.09	-1.43	-2.62
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-349.71	-454.52	-453.67
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-350.24	-455.21	-454.92
Chico, CA	CO	Maintenance	100	-	-0.22	-0.29	-0.53
Chico, CA	Ozone	Former Subpart 1	50	-	-0.52	-0.68	-1.25
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-4.30	-5.63	-10.32

Appendix B

Table B.1-189
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-4.18	-5.47	-10.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Clark County, NV	PM ₁₀	Serious	70	-	-3.16	-4.13	-7.57
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.56	-0.73	-1.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.40	-0.52	-0.95
Cleveland, OH	CO	Maintenance	100	-	-2.11	-2.76	-5.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-5.68	-7.44	-13.63
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-5.25	-6.87	-12.58
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.32	-1.73	-3.17
Colbert County, AL	SO _x	Maintenance	100	-	-0.13	-0.18	-0.32
Colorado Springs, CO	CO	Maintenance	100	-	-1.26	-1.65	-3.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.42	-1.86	-3.41
Columbus, OH	Ozone	Maintenance	100	-	-3.60	-4.71	-8.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-3.34	-4.37	-8.00
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-2.11	-2.76	-5.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.72	-2.25	-4.12
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-14.83	-19.41	-35.56
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.86	-2.43	-4.45
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.64	-2.15	-3.94
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-43.69	-56.82	-61.82
Denver-Boulder, CO	CO	Maintenance	100	-	-43.41	-56.46	-61.15
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-45.00	-58.54	-64.96
Detroit, MI	CO	Maintenance	100	-	-15.92	-20.72	-23.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-26.96	-35.12	-45.27
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-26.77	-34.88	-44.82

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Table B.1-189							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.08	-0.10	-0.19
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.08	-0.10	-0.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.15
Duluth, MN	CO	Maintenance	100	-	-0.18	-0.24	-0.44
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-87.05	-113.11	-109.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.00	-14.30	-14.92
El Paso, TX	CO	Maintenance	100	-	-0.07	-0.09	-0.16
Erie, PA	Ozone	Maintenance	100	-	-0.51	-0.66	-1.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.50	-0.65	-1.20
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.48	-0.62	-1.14
Evansville, IN	Ozone	Maintenance	100	-	-0.56	-0.73	-1.33
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.72	-0.94	-1.72
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.05	-0.09
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.64	-0.84	-1.55
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Flint, MI	Ozone	Maintenance	100	-	-1.15	-1.50	-2.75
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.37	-0.49	-0.90
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.80	-1.04	-1.91
Franklin County, PA	Ozone	Maintenance	100	-	-0.33	-0.43	-0.79
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.28	-0.37	-0.68
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.88	-1.15	-2.10

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.04	-0.05	-0.09
Fresno, CA	CO	Maintenance	100	-	-1.26	-1.64	-3.01
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.75	-2.29	-4.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.09	-0.12	-0.22
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.09	-0.17
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.63	-4.75	-8.70
Greeley, CO	CO	Maintenance	100	-	-0.26	-0.35	-0.64
Green Bay, WI	SO _x	Maintenance	100	-	-0.27	-0.35	-0.64
Greene County, IN	Ozone	Maintenance	100	-	-0.11	-0.14	-0.25
Greene County, PA	Ozone	Maintenance	100	-	-0.10	-0.13	-0.24
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.56	-4.66	-8.55
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.77	-2.31	-4.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.99	-2.60	-4.76
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.05	-0.06	-0.12
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.25	-0.33	-0.60
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.85	-2.42	-4.43
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.71	-2.23	-4.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.36	-3.08	-5.65
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.11	-0.20
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	-0.09	-0.12	-0.21
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.40	-0.52	-0.95
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.65	-0.85	-1.55
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-161.91	-210.48	-215.87
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.92	-11.60	-11.90
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.62	-11.20	-11.17
Huron County, MI	Ozone	Maintenance	100	-	-0.06	-0.08	-0.15
Imperial County, CA	Ozone	Moderate	50	-	-0.46	-0.60	-1.11
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.45	-0.59	-1.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.18
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-4.33	-5.67	-10.39
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-3.43	-4.49	-8.23
Jackson County, IN	Ozone	Maintenance	100	-	-0.17	-0.23	-0.42
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.34	-0.45	-0.82
Jefferson County, NY	Ozone	Moderate	50	-	-0.27	-0.35	-0.65
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.48	-0.63	-1.15
Johnstown, PA	Ozone	Maintenance	100	-	-0.23	-0.30	-0.56
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.25	-0.33	-0.61
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.11	-1.45	-2.66
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.15
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.60	-4.71	-8.63
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.31	-0.40	-0.74
Kent, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.13
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.18	-0.24	-0.43
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.13
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Klamath Falls, OR	CO	Maintenance	100	-	-0.11	-0.14	-0.26

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.11	-0.14	-0.26
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.54	-3.32	-6.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.97	-2.58	-4.74
La Porte County, IN	SO _x	Maintenance	100	-	-0.08	-0.10	-0.19
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Lake County, IN	SO _x	Maintenance	100	-	-0.68	-0.89	-1.62
Lake County, OH	SO _x	Maintenance	100	-	-0.08	-0.10	-0.19
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.06	-0.08	-0.14
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.13	-0.16	-0.30
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.98	-1.28	-2.35
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.98	-1.28	-2.35
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.04	-1.37	-2.50
LaPorte, IN	Ozone	Maintenance	100	-	-0.22	-0.28	-0.52
Las Vegas, NV	CO	Serious	100	-	-3.16	-4.13	-7.57
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-3.21	-4.20	-7.69
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.20	-0.26	-0.47
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.08
Lima, OH	Ozone	Maintenance	100	-	-54.89	-71.32	-68.72
Longmont, CO	CO	Maintenance	100	-	-0.19	-0.25	-0.46
Lorain County, OH	SO _x	Maintenance	100	-	-0.10	-0.13	-0.24

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-149.31	-194.30	-223.90
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-149.31	-194.30	-223.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-149.31	-194.30	-223.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-149.31	-194.30	-223.90
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-149.30	-194.30	-223.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.48	-1.93	-3.54
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.49	-3.25	-5.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.41	-3.16	-5.79
Lowell, MA	CO	Maintenance	100	-	-0.25	-0.32	-0.59
Lucas County, OH	SO _x	Maintenance	100	-	-0.67	-0.87	-1.60
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.14	-0.18	-0.33
Macon, GA	Ozone	Maintenance	100	-	-0.47	-0.61	-1.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.46	-0.61	-1.11
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Madison, WI	SO _x	Maintenance	100	-	-0.52	-0.68	-1.25
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.05
Manchester, NH	CO	Maintenance	100	-	-0.17	-0.23	-0.41
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.22	-0.29	-0.54
Marion County, IN	SO _x	Maintenance	100	-	-0.70	-0.91	-1.67
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.23	-0.30	-0.56
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.70	-0.91	-1.67
Mason County, MI	Ozone	Maintenance	100	-	-0.06	-0.08	-0.14
Medford, OR	CO	Maintenance	100	-	-0.16	-0.22	-0.39
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.39	-0.51	-0.94
Memphis, TN-AR	Ozone	Maintenance	100	-	-4.24	-5.53	-7.84
Memphis, TN	CO	Maintenance	100	-	-4.06	-5.29	-7.40
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.15

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-1.17	-1.54	-2.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.88	-5.08	-9.30
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-17.09	-22.27	-28.49
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-6.06	-7.93	-14.54
Missoula, MT	CO	Maintenance	100	-	-0.13	-0.17	-0.32
Missoula, MT	PM ₁₀	Moderate	100	-	-0.13	-0.17	-0.31
Modesto, CA	CO	Maintenance	100	-	-0.64	-0.84	-1.54
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.22	-0.28	-0.52
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.07	-0.09	-0.17
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.06	-0.08	-0.16
Muncie, IN	Ozone	Maintenance	100	-	-0.26	-0.34	-0.63
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Muskegon, MI	Ozone	Maintenance	100	-	-0.28	-0.37	-0.68
Nashua, NH	CO	Maintenance	100	-	-0.14	-0.18	-0.33
Nashville, TN	Ozone	Former Subpart 1	50	-	-3.53	-4.61	-8.46
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.28	-0.37	-0.68
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.30	-0.39	-0.71
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.74	-2.27	-4.17
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-1.02	-1.34	-2.45
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-26.94	-35.17	-53.42
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-44.27	-57.82	-92.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-44.00	-57.47	-91.98
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.12	-0.21

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-25.84	-33.60	-36.19
Ogden, UT	CO	Maintenance	100	-	-0.16	-0.20	-0.37
Ogden, UT	PM ₁₀	Moderate	100	-	-0.16	-0.20	-0.37
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.23	-0.30	-0.55
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.32	-0.42	-0.77
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.32	-0.42	-0.78
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.22	-0.29	-0.53
Perth Amboy, NJ	CO	Maintenance	100	-	-2.20	-2.86	-2.93
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.88	-1.15	-2.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-92.23	-119.92	-126.23
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-96.78	-125.87	-137.14
Phoenix, AZ	CO	Maintenance	100	-	-9.57	-12.53	-22.96
Phoenix, AZ	PM ₁₀	Serious	70	-	-9.88	-12.93	-23.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-9.91	-12.97	-23.77
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.05	-0.06	-0.12
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-4.49	-5.88	-10.70
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-4.11	-5.37	-9.79
Polk County, TN	SO _x	Maintenance	100	-	-0.05	-0.06	-0.11
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Portland, ME	Ozone	Maintenance	100	-	-1.23	-1.60	-2.94

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.76	-3.61	-6.37
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.10	-0.13	-0.23
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.89	-3.79	-6.94
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Providence (entire State), RI	Ozone	Moderate	50	-	-2.13	-2.79	-5.12
Provo, UT	CO	Maintenance	100	-	-0.34	-0.45	-0.83
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.78	-3.64	-6.67
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.80	-4.97	-9.11
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.73	-0.96	-1.75
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.73	-0.96	-1.75
Reno, NV	CO	Maintenance	100	-	-0.53	-0.70	-1.28
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.68	-3.51	-6.43
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.10	-0.13	-0.24
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.32	-1.73	-3.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.58	-0.76	-1.39
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.17	-0.23	-0.42
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.93	-3.84	-7.04
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.41	-0.54	-0.99
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.26	-0.35	-0.63
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-3.12	-4.08	-7.47
Sacramento Metro, CA	Ozone	Severe	25	-	-5.55	-7.27	-13.31
Sacramento, CA	CO	Maintenance	100	-	-3.46	-4.53	-8.30
Salem, OR	CO	Maintenance	100	-	-0.29	-0.38	-0.69
Salt Lake City, UT	CO	Maintenance	100	-	-2.10	-2.73	-3.15

Appendix B

Table B.1-189
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.87	-5.05	-7.39
Salt Lake County, UT	SO _x	Nonattainment	100	-	-2.23	-2.92	-5.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	-4.01	-5.24	-9.60
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.92	-1.20	-2.20
San Diego, CA	CO	Maintenance	100	-	-8.73	-11.42	-20.93
San Diego, CA	Ozone	Former Subpart 1	50	-	-8.75	-11.45	-20.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-340.78	-442.90	-440.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-342.62	-445.31	-445.07
San Joaquin Valley, CA	Ozone	Extreme	10	-	-12.94	-16.91	-27.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-12.99	-16.96	-27.20
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-12.94	-16.91	-27.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.07	-0.09	-0.17
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.47	-1.92	-3.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-6.42	-8.40	-15.40
Sheboygan, WI	Ozone	Moderate	50	-	-0.26	-0.34	-0.62
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.04	-0.05	-0.09
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.99	-1.30	-2.38
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.40	-0.52	-0.96
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.64	-0.84	-1.53
Spokane, WA	CO	Maintenance	100	-	-0.63	-0.83	-1.52
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.96	-2.56	-4.69
Springfield, MA	CO	Maintenance	100	-	-0.31	-0.41	-0.75
St. Louis, MO	CO	Maintenance	100	-	-2.08	-2.72	-4.99
St. Louis, MO-IL	Ozone	Moderate	50	-	-286.02	-371.68	-364.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-285.98	-371.63	-364.08

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Table B.1-189
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.37	-0.48	-0.88
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.09
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.10	-0.13	-0.23
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.61	-3.40	-3.51
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.61	-3.40	-3.51
Stockton, CA	CO	Maintenance	100	-	-0.97	-1.27	-2.33
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.14	-1.49	-2.73
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.30	-0.39	-0.71
Tioga County, PA	Ozone	Maintenance	100	-	-0.13	-0.16	-0.30
Toledo, OH	Ozone	Maintenance	100	-	-16.66	-21.65	-22.17
Toms River, NJ	CO	Maintenance	100	-	-0.21	-0.28	-0.51
Tooele County, UT	SO _x	Nonattainment	100	-	-0.22	-0.29	-0.52
Trenton, NJ	CO	Maintenance	100	-	-0.19	-0.25	-0.46
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Tucson, AZ	CO	Maintenance	100	-	-2.12	-2.78	-5.09
Utah County, UT	PM ₁₀	Moderate	100	-	-1.04	-1.36	-2.48
Vancouver, WA	CO	Maintenance	100	-	-0.65	-0.86	-1.57
Ventura County, CA	Ozone	Serious	50	-	-1.93	-2.52	-4.43
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Vigo County, IN	SO _x	Maintenance	100	-	-0.30	-0.39	-0.71
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.12	-0.16	-0.30
Warren County, NJ	SO _x	Maintenance	100	-	-0.08	-0.10	-0.19
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.47	-0.61	-1.12
Washington, DC-MD-VA	CO	Maintenance	100	-	-3.41	-4.47	-8.18

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Table B.1-189
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-11.57	-15.14	-27.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-11.34	-14.84	-27.19
Washoe County, NV	PM ₁₀	Serious	70	-	-0.53	-0.70	-1.28
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.16	-0.21	-0.39
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.58	-7.25	-7.14
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Weirton, WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.34	-0.44	-0.81
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.34	-0.44	-0.81
Winston-Salem, NC	CO	Maintenance	100	-	-0.89	-1.17	-2.15
Worcester, MA	CO	Maintenance	100	-	-0.47	-0.61	-1.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.20	-0.26	-0.48
Yakima, WA	CO	Maintenance	100	-	-0.08	-0.11	-0.19
York, PA	Ozone	Maintenance	100	-	-0.96	-1.26	-2.31
York, PA	PM _{2.5}	Nonattainment	100	-	-0.75	-0.98	-1.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.43	-1.87	-3.43
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.39	-0.51	-0.94

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-190
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-5.38	-7.89	-14.17
Albuquerque, NM	CO	Maintenance	100	-	-2.48	-3.63	-6.53
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.61	-0.90	-1.61
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.49	-3.66	-6.57
Altoona, PA	Ozone	Maintenance	100	-	-0.46	-0.67	-1.08
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.70	-1.03	-1.84
Anchorage, AK	CO	Maintenance	100	-	-0.60	-0.88	-1.57
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Atlanta, GA	Ozone	Moderate	50	-	-28.17	-41.32	-74.24
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-28.19	-41.35	-74.28
Atlantic City, NJ	CO	Maintenance	100	-	-0.22	-0.32	-0.57
Bakersfield, CA	CO	Maintenance	100	-	-7.82	-10.17	3.87
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.06	-0.11
Baltimore, MD	Ozone	Moderate	50	-	-12.57	-18.44	-33.14
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-12.57	-18.44	-33.14
Baton Rouge, LA	Ozone	Moderate	50	-	-67.38	-84.70	86.66
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-896.26	-1,118.32	1,309.80
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.76	-1.11	-2.00
Benzie County, MI	Ozone	Maintenance	100	-	-0.10	-0.14	-0.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.62	-0.90	-1.63
Billings, MT	CO	Maintenance	100	-	-127.38	-158.95	185.87
Birmingham, AL	Ozone	Maintenance	100	-	-4.40	-6.43	-11.03

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.42	-6.45	-11.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.37	-2.01	-3.60
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.37	-2.01	-3.60
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.18
Boston, MA	CO	Maintenance	100	-	-3.59	-5.26	-9.45
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-21.47	-31.49	-56.58
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.73	-4.01	-7.21
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.85	-7.11	-12.78
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.09
Butte, MT	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.17	-9.21	5.46
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.17	-9.21	5.46
Case County, MI	Ozone	Maintenance	100	-	-0.18	-0.27	-0.48
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Charleston, WV	Ozone	Maintenance	100	-	-1.16	-1.70	-3.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.16	-1.70	-3.06
Charlotte, NC	CO	Maintenance	100	-	-3.10	-4.54	-8.16
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-6.93	-10.16	-18.25
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.30	-3.37	-6.04
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-2.09	-3.07	-5.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-611.34	-769.08	776.20
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-612.35	-770.56	773.53
Chico, CA	CO	Maintenance	100	-	-0.46	-0.67	-1.21
Chico, CA	Ozone	Former Subpart 1	50	-	-1.05	-1.55	-2.78
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-8.29	-12.16	-21.84

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Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-8.05	-11.80	-21.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.15
Clark County, NV	PM ₁₀	Serious	70	-	-6.32	-9.27	-16.66
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.09	-1.60	-2.88
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.76	-1.11	-2.00
Cleveland, OH	CO	Maintenance	100	-	-3.93	-5.77	-10.36
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-10.82	-15.87	-28.50
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-9.97	-14.63	-26.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.69	-3.95	-7.10
Colbert County, AL	SO _x	Maintenance	100	-	-0.25	-0.37	-0.66
Colorado Springs, CO	CO	Maintenance	100	-	-2.49	-3.65	-6.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.74	-4.01	-7.21
Columbus, OH	Ozone	Maintenance	100	-	-7.07	-10.37	-18.63
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-6.56	-9.62	-17.28
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.93	-5.77	-10.36
Cuyahoga County, OH	SO _x	Maintenance	100	-	-3.21	-4.71	-8.47
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-29.33	-43.03	-77.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.51	-5.15	-9.25
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-3.10	-4.55	-8.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-77.45	-99.36	62.25
Denver-Boulder, CO	CO	Maintenance	100	-	-76.90	-98.56	63.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-80.03	-103.15	55.44
Detroit, MI	CO	Maintenance	100	-	-28.03	-36.42	13.76
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-48.73	-65.05	-8.23
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-48.37	-64.52	-7.28

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.15	-0.23	-0.41
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.15	-0.22	-0.39
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.12	-0.17	-0.31
Duluth, MN	CO	Maintenance	100	-	-0.34	-0.50	-0.90
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.10
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-151.48	-189.14	219.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-19.34	-24.58	20.03
El Paso, TX	CO	Maintenance	100	-	-0.13	-0.19	-0.35
Erie, PA	Ozone	Maintenance	100	-	-0.96	-1.40	-2.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.97	-1.42	-2.55
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.93	-1.36	-2.44
Evansville, IN	Ozone	Maintenance	100	-	-1.06	-1.56	-2.81
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.37	-2.01	-3.61
Fairbanks, AK	CO	Maintenance	100	-	-0.07	-0.11	-0.19
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.24	-1.82	-3.27
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Flint, MI	Ozone	Maintenance	100	-	-2.18	-3.20	-5.75
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.74	-1.09	-1.96
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.53	-2.25	-4.04
Franklin County, PA	Ozone	Maintenance	100	-	-0.64	-0.94	-1.69
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.55	-0.81	-1.45
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.75	-2.56	-4.60

Appendix B

Table B.1-190
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.07	-0.11	-0.19
Fresno, CA	CO	Maintenance	100	-	-2.48	-3.64	-6.54
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.41	-5.01	-9.00
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.17	-0.25	-0.45
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.14	-0.20	-0.36
Great Falls, MT	CO	Maintenance	100	-	-0.08	-0.12	-0.22
Greater Connecticut, CT	Ozone	Moderate	50	-	-6.91	-10.13	-18.20
Greeley, CO	CO	Maintenance	100	-	-0.52	-0.76	-1.37
Green Bay, WI	SO _x	Maintenance	100	-	-0.52	-0.76	-1.36
Greene County, IN	Ozone	Maintenance	100	-	-0.20	-0.30	-0.54
Greene County, PA	Ozone	Maintenance	100	-	-0.19	-0.28	-0.50
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-6.82	-10.01	-17.97
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.37	-4.95	-8.89
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.77	-5.53	-9.93
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.09	-0.14	-0.25
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.48	-0.71	-1.27
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.60	-5.28	-9.48
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.32	-4.87	-8.75
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.47	-6.56	-11.78
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.24	-0.43
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.17	-0.25	-0.44
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.75	-1.10	-1.97
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.23	-1.81	-3.25
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-284.13	-359.60	320.29
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-15.62	-19.76	17.73
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-15.04	-18.91	19.26
Huron County, MI	Ozone	Maintenance	100	-	-0.12	-0.18	-0.31
Imperial County, CA	Ozone	Moderate	50	-	-0.92	-1.35	-2.43
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.90	-1.32	-2.38
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.14	-0.21	-0.37
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-8.43	-12.36	-22.20
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-6.68	-9.80	-17.60
Jackson County, IN	Ozone	Maintenance	100	-	-0.33	-0.49	-0.88
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.65	-0.96	-1.72
Jefferson County, NY	Ozone	Moderate	50	-	-0.52	-0.76	-1.37
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.91	-1.33	-2.40
Johnstown, PA	Ozone	Maintenance	100	-	-0.42	-0.62	-1.12
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.47	-0.68	-1.23
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-2.12	-3.11	-5.58
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.12	-0.18	-0.33
Kansas City, MO-KS	Ozone	Maintenance	100	-	-7.01	-10.28	-18.46
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.60	-0.88	-1.59
Kent, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.15	-0.28
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.35	-0.51	-0.92
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.10	-0.15	-0.27
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Klamath Falls, OR	CO	Maintenance	100	-	-0.21	-0.30	-0.55

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Table B.1-190
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.21	-0.30	-0.55
Knoxville, TN	Ozone	Former Subpart 1	50	-	-5.00	-7.33	-13.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.87	-5.67	-10.19
La Porte County, IN	SO _x	Maintenance	100	-	-0.15	-0.21	-0.38
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.17
Lake County, IN	SO _x	Maintenance	100	-	-1.28	-1.87	-3.37
Lake County, OH	SO _x	Maintenance	100	-	-0.15	-0.22	-0.39
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.12	-0.18	-0.33
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.26	-0.39	-0.70
Lake Tahoe, NV	CO	Maintenance	100	-	-0.08	-0.12	-0.22
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	-1.89	-2.78	-4.99
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.89	-2.78	-4.99
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-2.00	-2.94	-5.28
LaPorte, IN	Ozone	Maintenance	100	-	-0.41	-0.60	-1.07
Las Vegas, NV	CO	Serious	100	-	-6.32	-9.27	-16.66
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-6.41	-9.41	-16.90
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.37	-0.54	-0.97
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.06	-0.09	-0.15
Lima, OH	Ozone	Maintenance	100	-	-95.51	-119.23	138.43
Longmont, CO	CO	Maintenance	100	-	-0.38	-0.56	-1.01
Lorain County, OH	SO _x	Maintenance	100	-	-0.19	-0.28	-0.51

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**Table B.1-190
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-266.88	-346.98	128.57
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-266.88	-346.98	128.57
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-266.88	-346.98	128.57
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-266.88	-346.99	128.57
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-266.87	-346.98	128.58
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.91	-4.27	-7.66
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.74	-6.95	-12.49
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.58	-6.73	-12.08
Lowell, MA	CO	Maintenance	100	-	-0.48	-0.70	-1.26
Lucas County, OH	SO _x	Maintenance	100	-	-1.25	-1.84	-3.30
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.26	-0.38	-0.69
Macon, GA	Ozone	Maintenance	100	-	-0.88	-1.29	-2.32
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.87	-1.28	-2.29
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.03
Madison, WI	SO _x	Maintenance	100	-	-1.03	-1.51	-2.72
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Manchester, NH	CO	Maintenance	100	-	-0.32	-0.48	-0.86
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.43	-0.62	-1.12
Marion County, IN	SO _x	Maintenance	100	-	-1.31	-1.93	-3.46
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.47	-0.70	-1.25
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.34	-1.97	-3.53
Mason County, MI	Ozone	Maintenance	100	-	-0.11	-0.16	-0.29
Medford, OR	CO	Maintenance	100	-	-0.33	-0.48	-0.86
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.78	-1.15	-2.06
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.70	-10.52	-5.89
Memphis, TN	CO	Maintenance	100	-	-7.36	-10.03	-5.00
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.12	-0.18	-0.33

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	-2.22	-3.25	-5.85
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-7.48	-10.97	-19.71
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-31.00	-41.33	-4.19
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-11.78	-17.28	-31.04
Missoula, MT	CO	Maintenance	100	-	-0.26	-0.38	-0.68
Missoula, MT	PM ₁₀	Moderate	100	-	-0.25	-0.37	-0.66
Modesto, CA	CO	Maintenance	100	-	-1.30	-1.91	-3.43
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.44	-0.64	-1.15
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.04
Morristown, NJ	CO	Maintenance	100	-	-0.14	-0.20	-0.36
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.12	-0.18	-0.32
Muncie, IN	Ozone	Maintenance	100	-	-0.49	-0.71	-1.28
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Muscatine County, IA	SO _x	Maintenance	100	-	-0.06	-0.09	-0.17
Muskegon, MI	Ozone	Maintenance	100	-	-0.54	-0.80	-1.43
Nashua, NH	CO	Maintenance	100	-	-0.26	-0.38	-0.68
Nashville, TN	Ozone	Former Subpart 1	50	-	-6.88	-10.10	-18.14
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.59	-0.87	-1.56
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.58	-0.86	-1.54
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.30	-4.84	-8.70
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	-1.92	-2.81	-5.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-49.78	-69.30	-61.76
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-82.86	-117.06	-134.42
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-82.33	-116.28	-133.03
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.17	-0.25	-0.45

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-45.54	-58.26	39.79
Ogden, UT	CO	Maintenance	100	-	-0.30	-0.43	-0.78
Ogden, UT	PM ₁₀	Moderate	100	-	-0.30	-0.43	-0.78
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.23
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.45	-0.66	-1.19
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.02	-0.02	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.61	-0.89	-1.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.61	-0.90	-1.62
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.22
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.42	-0.62	-1.11
Perth Amboy, NJ	CO	Maintenance	100	-	-3.86	-4.89	4.33
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.64	-2.40	-4.32
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-162.07	-206.25	161.62
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-170.82	-219.08	138.58
Phoenix, AZ	CO	Maintenance	100	-	-19.81	-29.06	-52.20
Phoenix, AZ	PM ₁₀	Serious	70	-	-20.41	-29.94	-53.79
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-20.48	-30.04	-53.97
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.07	-0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.10	-0.14	-0.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-8.51	-12.46	-22.02
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-7.78	-11.39	-20.11
Polk County, TN	SO _x	Maintenance	100	-	-0.09	-0.13	-0.23
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Portland, ME	Ozone	Maintenance	100	-	-2.36	-3.46	-6.21

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-5.24	-7.61	-12.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.18	-0.27	-0.49
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.74	-8.42	-15.13
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	-4.14	-6.07	-10.90
Provo, UT	CO	Maintenance	100	-	-0.68	-1.00	-1.80
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.48	-8.04	-14.45
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-7.48	-10.97	-19.70
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-1.40	-2.05	-3.69
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.40	-2.05	-3.69
Reno, NV	CO	Maintenance	100	-	-1.03	-1.51	-2.70
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-5.14	-7.54	-13.55
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.20	-0.30	-0.54
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.69	-3.95	-7.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.10	-1.61	-2.90
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.34	-0.49	-0.89
Rochester, NY	Ozone	Former Subpart 1	50	-	-5.62	-8.24	-14.81
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.78	-1.14	-2.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.50	-0.74	-1.33
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-6.29	-9.22	-16.57
Sacramento Metro, CA	Ozone	Severe	25	-	-11.31	-16.58	-29.79
Sacramento, CA	CO	Maintenance	100	-	-7.02	-10.29	-18.49
Salem, OR	CO	Maintenance	100	-	-0.55	-0.81	-1.45
Salt Lake City, UT	CO	Maintenance	100	-	-3.75	-4.87	1.85

Appendix B

Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.18	-9.91	-7.20
Salt Lake County, UT	SO _x	Nonattainment	100	-	-4.33	-6.35	-11.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	-7.81	-11.46	-20.57
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.81	-2.65	-4.76
San Diego, CA	CO	Maintenance	100	-	-17.47	-25.62	-46.02
San Diego, CA	Ozone	Former Subpart 1	50	-	-17.50	-25.67	-46.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-595.86	-749.15	764.90
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-599.43	-754.40	755.47
San Joaquin Valley, CA	Ozone	Extreme	10	-	-25.09	-35.49	-41.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-25.17	-35.61	-41.84
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-25.09	-35.49	-41.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.14	-0.21	-0.37
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.81	-4.12	-7.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	-12.56	-18.42	-33.09
Sheboygan, WI	Ozone	Moderate	50	-	-0.50	-0.73	-1.31
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.24
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.11	-0.19
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.90	-2.78	-5.00
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.73	-1.08	-1.93
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.25	-1.83	-3.29
Spokane, WA	CO	Maintenance	100	-	-1.23	-1.81	-3.25
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.75	-5.50	-9.88
Springfield, MA	CO	Maintenance	100	-	-0.60	-0.89	-1.59
St. Louis, MO	CO	Maintenance	100	-	-3.85	-5.64	-10.14
St. Louis, MO-IL	Ozone	Moderate	50	-	-498.49	-624.52	681.33
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-498.41	-624.40	681.55

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Table B.1-190							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.72	-1.05	-1.89
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.20
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.18	-0.26	-0.47
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.57	-5.79	5.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.57	-5.79	5.06
Stockton, CA	CO	Maintenance	100	-	-1.95	-2.87	-5.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-2.16	-3.16	-5.68
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.55	-0.81	-1.45
Tioga County, PA	Ozone	Maintenance	100	-	-0.24	-0.35	-0.62
Toledo, OH	Ozone	Maintenance	100	-	-29.16	-36.88	33.39
Toms River, NJ	CO	Maintenance	100	-	-0.42	-0.61	-1.10
Tooele County, UT	SO _x	Nonattainment	100	-	-0.42	-0.62	-1.12
Trenton, NJ	CO	Maintenance	100	-	-0.37	-0.54	-0.98
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Tucson, AZ	CO	Maintenance	100	-	-4.18	-6.12	-11.00
Utah County, UT	PM ₁₀	Moderate	100	-	-2.04	-2.99	-5.37
Vancouver, WA	CO	Maintenance	100	-	-1.31	-1.92	-3.44
Ventura County, CA	Ozone	Serious	50	-	-3.83	-5.55	-8.88
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	-0.55	-0.81	-1.45
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.24	-0.35	-0.62
Warren County, NJ	SO _x	Maintenance	100	-	-0.15	-0.22	-0.40
Warren County, PA	SO _x	Nonattainment	100	-	-0.06	-0.09	-0.16
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.89	-1.31	-2.35
Washington, DC-MD-VA	CO	Maintenance	100	-	-6.57	-9.64	-17.33

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Table B.1-190
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-22.68	-33.26	-59.76
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-22.20	-32.57	-58.51
Washoe County, NV	PM ₁₀	Serious	70	-	-1.03	-1.51	-2.70
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	-0.30	-0.44	-0.79
Wayne County, MI	PM ₁₀	Maintenance	100	-	-9.78	-12.27	13.11
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Weirton, WV	SO _x	Maintenance	100	-	-0.05	-0.08	-0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.63	-0.92	-1.65
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.63	-0.92	-1.65
Winston-Salem, NC	CO	Maintenance	100	-	-1.73	-2.53	-4.55
Worcester, MA	CO	Maintenance	100	-	-0.91	-1.34	-2.41
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.39	-0.57	-1.03
Yakima, WA	CO	Maintenance	100	-	-0.16	-0.24	-0.42
York, PA	Ozone	Maintenance	100	-	-1.87	-2.74	-4.92
York, PA	PM _{2.5}	Nonattainment	100	-	-1.45	-2.13	-3.83
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.68	-3.93	-7.06
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.78	-1.14	-2.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.08	-0.12
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.08	-0.12
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-15.75	-23.47	-37.08
Albuquerque, NM	CO	Maintenance	100	-	-7.16	-10.67	-16.86
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.90	-2.84	-4.48
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-7.27	-10.83	-17.11
Altoona, PA	Ozone	Maintenance	100	-	-1.25	-1.78	-2.38
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.48	-3.69	-5.84
Anchorage, AK	CO	Maintenance	100	-	-1.86	-2.77	-4.38
Anthony, NM	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.21
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.06	-0.09	-0.14
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.21
Atlanta, GA	Ozone	Moderate	50	-	-86.11	-128.30	-202.68
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-86.14	-128.35	-202.77
Atlantic City, NJ	CO	Maintenance	100	-	-0.61	-0.90	-1.43
Bakersfield, CA	CO	Maintenance	100	-	-23.42	-19.12	48.64
Baltimore, MD	CO	Maintenance	100	-	-0.12	-0.18	-0.28
Baltimore, MD	Ozone	Moderate	50	-	-37.69	-56.16	-88.73
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-37.69	-56.16	-88.73
Baton Rouge, LA	Ozone	Moderate	50	-	-199.38	-126.81	650.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,653.53	-1,587.66	9,314.55
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-2.01	-2.99	-4.72
Benzie County, MI	Ozone	Maintenance	100	-	-0.32	-0.47	-0.74
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.86	-2.77	-4.37
Billings, MT	CO	Maintenance	100	-	-377.15	-225.85	1,322.58
Birmingham, AL	Ozone	Maintenance	100	-	-12.40	-18.10	-26.73

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-12.44	-18.17	-26.83
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-4.16	-6.20	-9.79
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-4.16	-6.20	-9.79
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.23	-0.34	-0.54
Boston, MA	CO	Maintenance	100	-	-10.26	-15.29	-24.16
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-62.76	-93.51	-147.72
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-8.21	-12.23	-19.32
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.11	-0.17	-0.26
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-13.74	-20.48	-32.35
Burlington, NJ	CO	Maintenance	100	-	-0.08	-0.12	-0.19
Butte, MT	PM ₁₀	Moderate	100	-	-0.23	-0.34	-0.53
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.26	-0.39	-0.61
Canton-Massillon, OH	Ozone	Maintenance	100	-	-20.99	-15.58	53.81
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-20.99	-15.58	53.81
Case County, MI	Ozone	Maintenance	100	-	-0.52	-0.77	-1.22
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.07	-0.10	-0.16
Charleston, WV	Ozone	Maintenance	100	-	-3.11	-4.63	-7.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.11	-4.63	-7.32
Charlotte, NC	CO	Maintenance	100	-	-9.54	-14.21	-22.45
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-21.06	-31.38	-49.57
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-6.52	-9.70	-15.26
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-5.99	-8.92	-14.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,810.67	-1,159.52	5,855.01
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,813.67	-1,163.99	5,847.96
Chico, CA	CO	Maintenance	100	-	-1.59	-2.37	-3.75
Chico, CA	Ozone	Former Subpart 1	50	-	-3.50	-5.22	-8.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-24.19	-36.04	-56.94

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-23.44	-34.93	-55.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.15	-0.22	-0.35
Clark County, NV	PM ₁₀	Serious	70	-	-20.42	-30.43	-48.07
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-3.31	-4.94	-7.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-2.14	-3.19	-5.05
Cleveland, OH	CO	Maintenance	100	-	-10.37	-15.45	-24.40
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-30.48	-45.42	-71.75
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-27.98	-41.70	-65.87
Coachella Valley, CA	PM ₁₀	Serious	70	-	-9.07	-13.52	-21.36
Colbert County, AL	SO _x	Maintenance	100	-	-0.66	-0.98	-1.55
Colorado Springs, CO	CO	Maintenance	100	-	-7.78	-11.59	-18.31
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.07	-0.11	-0.17
Columbia, SC	Ozone	Former Subpart 1	50	-	-7.98	-11.88	-18.78
Columbus, OH	Ozone	Maintenance	100	-	-21.76	-32.42	-51.22
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-20.23	-30.14	-47.62
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.04	-0.05	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-10.37	-15.45	-24.40
Cuyahoga County, OH	SO _x	Maintenance	100	-	-8.62	-12.84	-20.29
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-91.98	-137.06	-216.52
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-9.71	-14.47	-22.86
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-8.55	-12.75	-20.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-231.01	-172.57	585.00
Denver-Boulder, CO	CO	Maintenance	100	-	-229.30	-170.03	589.01
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-239.03	-184.52	566.11
Detroit, MI	CO	Maintenance	100	-	-78.52	-62.59	172.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-142.99	-135.60	172.76
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-141.94	-134.04	175.24

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.47	-0.70	-1.11
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.42	-0.63	-0.99
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.34	-0.50	-0.80
Duluth, MN	CO	Maintenance	100	-	-0.93	-1.39	-2.19
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.12	-0.17	-0.27
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-448.38	-269.71	1,564.49
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-57.34	-39.67	165.96
El Paso, TX	CO	Maintenance	100	-	-0.38	-0.56	-0.89
Erie, PA	Ozone	Maintenance	100	-	-2.66	-3.96	-6.26
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.05
Eugene-Springfield, OR	CO	Maintenance	100	-	-2.89	-4.31	-6.80
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.77	-4.13	-6.52
Evansville, IN	Ozone	Maintenance	100	-	-3.04	-4.54	-7.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.88	-5.78	-9.14
Fairbanks, AK	CO	Maintenance	100	-	-0.23	-0.34	-0.54
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.60	-5.36	-8.47
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.23
Flint, MI	Ozone	Maintenance	100	-	-6.15	-9.16	-14.48
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-2.35	-3.51	-5.54
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-4.46	-6.64	-10.50
Franklin County, PA	Ozone	Maintenance	100	-	-1.90	-2.83	-4.48
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.60	-2.39	-3.77
Fredericksburg, VA	Ozone	Maintenance	100	-	-5.59	-8.33	-13.16

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.24	-0.36	-0.57
Fresno, CA	CO	Maintenance	100	-	-7.71	-11.49	-18.15
Grand Rapids, MI	Ozone	Maintenance	100	-	-10.33	-15.39	-24.31
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.46	-0.68	-1.07
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.44	-0.65	-1.03
Great Falls, MT	CO	Maintenance	100	-	-0.21	-0.31	-0.50
Greater Connecticut, CT	Ozone	Moderate	50	-	-19.50	-29.05	-45.90
Greeley, CO	CO	Maintenance	100	-	-1.58	-2.36	-3.72
Green Bay, WI	SO _x	Maintenance	100	-	-1.52	-2.27	-3.59
Greene County, IN	Ozone	Maintenance	100	-	-0.59	-0.88	-1.39
Greene County, PA	Ozone	Maintenance	100	-	-0.53	-0.79	-1.25
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-19.52	-29.09	-45.96
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-9.56	-14.25	-22.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-10.54	-15.71	-24.82
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.27	-0.40	-0.64
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.41	-2.11	-3.33
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-10.82	-16.12	-25.46
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-9.97	-14.86	-23.48
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-12.46	-18.56	-29.32
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.13	-0.20	-0.31
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.53	-0.78	-1.24
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.06	-0.09	-0.14
Hazelwood, PA	SO _x	Maintenance	100	-	-0.48	-0.72	-1.13
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.06	-3.06	-4.84
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.45	-5.14	-8.13
Hollis Township, IL	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06

Appendix B

Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-842.33	-566.16	2,547.85
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-45.97	-30.55	141.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-44.30	-28.06	145.28
Huron County, MI	Ozone	Maintenance	100	-	-0.33	-0.49	-0.78
Imperial County, CA	Ozone	Moderate	50	-	-2.96	-4.41	-6.96
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.90	-4.31	-6.82
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.39	-0.58	-0.92
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-25.24	-37.61	-59.41
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-20.05	-29.87	-47.20
Jackson County, IN	Ozone	Maintenance	100	-	-0.94	-1.40	-2.22
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.84	-2.75	-4.34
Jefferson County, NY	Ozone	Moderate	50	-	-1.49	-2.21	-3.50
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.54	-3.78	-5.98
Johnstown, PA	Ozone	Maintenance	100	-	-1.05	-1.57	-2.48
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.16	-1.73	-2.73
Juneau, AK	PM ₁₀	Moderate	100	-	-0.15	-0.23	-0.36
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-6.01	-8.95	-14.15
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.39	-0.58	-0.91
Kansas City, MO-KS	Ozone	Maintenance	100	-	-21.06	-31.38	-49.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.82	-2.72	-4.29
Kent, WA	PM ₁₀	Maintenance	100	-	-0.33	-0.50	-0.79
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.00	-1.49	-2.35
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.29	-0.43	-0.68
King County, WA	PM ₁₀	Maintenance	100	-	-0.13	-0.20	-0.31
Klamath Falls, OR	CO	Maintenance	100	-	-0.58	-0.86	-1.37

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.58	-0.86	-1.37
Knoxville, TN	Ozone	Former Subpart 1	50	-	-15.50	-23.09	-36.47
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-11.82	-17.61	-27.82
La Porte County, IN	SO _x	Maintenance	100	-	-0.39	-0.59	-0.93
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.18	-0.27	-0.43
Lake County, IN	SO _x	Maintenance	100	-	-3.50	-5.21	-8.23
Lake County, OH	SO _x	Maintenance	100	-	-0.42	-0.63	-0.99
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.16
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.44	-0.66	-1.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.97	-1.45	-2.29
Lake Tahoe, NV	CO	Maintenance	100	-	-0.24	-0.36	-0.58
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.24
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-5.58	-8.31	-13.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.58	-8.31	-13.13
Lane County, OR	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-5.79	-8.63	-13.63
LaPorte, IN	Ozone	Maintenance	100	-	-1.10	-1.63	-2.58
Las Vegas, NV	CO	Serious	100	-	-20.42	-30.43	-48.07
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-20.68	-30.81	-48.67
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.01	-1.51	-2.38
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Libby, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.12
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.07	-0.10	-0.15
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.15	-0.22	-0.35
Lima, OH	Ozone	Maintenance	100	-	-282.71	-169.85	987.82
Longmont, CO	CO	Maintenance	100	-	-1.23	-1.83	-2.89
Lorain County, OH	SO _x	Maintenance	100	-	-0.56	-0.83	-1.31

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**Table B.1-191
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-796.24	-650.34	1,651.15
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-796.24	-650.34	1,651.15
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-796.24	-650.34	1,651.15
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-796.25	-650.34	1,651.15
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-796.24	-650.32	1,651.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-8.97	-13.36	-21.11
Louisville, KY-IN	Ozone	Maintenance	100	-	-13.41	-19.98	-31.56
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-12.86	-19.15	-30.26
Lowell, MA	CO	Maintenance	100	-	-1.44	-2.15	-3.39
Lucas County, OH	SO _x	Maintenance	100	-	-3.40	-5.07	-8.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.71	-1.06	-1.67
Macon, GA	Ozone	Maintenance	100	-	-2.36	-3.52	-5.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.33	-3.47	-5.49
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.05	-0.08
Madison, WI	SO _x	Maintenance	100	-	-3.27	-4.87	-7.69
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.15	-0.22	-0.35
Manchester, NH	CO	Maintenance	100	-	-0.87	-1.30	-2.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.18	-1.76	-2.79
Marion County, IN	SO _x	Maintenance	100	-	-3.60	-5.37	-8.48
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.60	-2.38	-3.76
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.89	-5.80	-9.16
Mason County, MI	Ozone	Maintenance	100	-	-0.33	-0.49	-0.77
Medford, OR	CO	Maintenance	100	-	-1.06	-1.58	-2.49
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.54	-3.78	-5.97
Memphis, TN-AR	Ozone	Maintenance	100	-	-21.91	-23.36	9.47
Memphis, TN	CO	Maintenance	100	-	-21.03	-22.05	11.54
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.39	-0.58	-0.92

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Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.06	-0.09	-0.14
Milwaukee, WI	SO _x	Maintenance	100	-	-6.13	-9.14	-14.44
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-21.91	-32.64	-51.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-92.15	-87.35	111.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-35.20	-52.45	-82.85
Missoula, MT	CO	Maintenance	100	-	-0.77	-1.14	-1.81
Missoula, MT	PM ₁₀	Moderate	100	-	-0.74	-1.11	-1.75
Modesto, CA	CO	Maintenance	100	-	-4.28	-6.38	-10.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.45	-2.16	-3.42
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.04	-0.06	-0.09
Morristown, NJ	CO	Maintenance	100	-	-0.44	-0.66	-1.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.33	-0.49	-0.78
Muncie, IN	Ozone	Maintenance	100	-	-1.26	-1.88	-2.97
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.06	-0.09	-0.14
Muscatine County, IA	SO _x	Maintenance	100	-	-0.19	-0.28	-0.44
Muskegon, MI	Ozone	Maintenance	100	-	-1.59	-2.36	-3.73
Nashua, NH	CO	Maintenance	100	-	-0.70	-1.04	-1.65
Nashville, TN	Ozone	Former Subpart 1	50	-	-20.83	-31.04	-49.04
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.12	-3.15	-4.98
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.83	-2.73	-4.31
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-9.24	-13.77	-21.76
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.07	-0.10	-0.16
New York County, NY	PM ₁₀	Moderate	100	-	-5.16	-7.69	-12.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-143.44	-168.98	-43.45
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-240.81	-304.71	-211.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-239.21	-302.33	-207.38
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.51	-0.77	-1.21

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Table B.1-191
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-134.23	-97.02	361.30
Ogden, UT	CO	Maintenance	100	-	-0.83	-1.24	-1.95
Ogden, UT	PM ₁₀	Moderate	100	-	-0.83	-1.24	-1.95
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.24	-0.35	-0.56
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.42	-2.11	-3.34
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.06	-0.08	-0.13
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.69	-2.52	-3.98
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.70	-2.54	-4.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.25	-0.38	-0.59
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-1.15	-1.72	-2.71
Perth Amboy, NJ	CO	Maintenance	100	-	-11.55	-7.85	34.31
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.36	-6.49	-10.25
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-477.75	-332.46	1,370.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-503.10	-370.24	1,310.77
Phoenix, AZ	CO	Maintenance	100	-	-69.16	-103.05	-162.80
Phoenix, AZ	PM ₁₀	Serious	70	-	-71.06	-105.88	-167.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-71.27	-106.18	-167.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.29
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.32	-0.48	-0.75
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-23.74	-35.12	-54.20
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-21.71	-32.09	-49.41
Polk County, TN	SO _x	Maintenance	100	-	-0.25	-0.37	-0.59
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.09
Portland, ME	Ozone	Maintenance	100	-	-6.85	-10.20	-16.12

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Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-15.07	-21.46	-28.97
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.52	-0.77	-1.21
Poughkeepsie, NY	Ozone	Moderate	50	-	-18.14	-27.02	-42.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.24
Providence (entire State), RI	Ozone	Moderate	50	-	-12.25	-18.26	-28.84
Provo, UT	CO	Maintenance	100	-	-2.17	-3.23	-5.10
Raleigh-Durham, NC	CO	Maintenance	100	-	-17.02	-25.36	-40.06
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-23.13	-34.47	-54.45
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Reading, PA	Ozone	Maintenance	100	-	-4.00	-5.97	-9.42
Reading, PA	PM _{2.5}	Nonattainment	100	-	-4.00	-5.97	-9.42
Reno, NV	CO	Maintenance	100	-	-2.98	-4.44	-7.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-14.83	-22.10	-34.92
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.67	-1.00	-1.58
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-9.07	-13.52	-21.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	-3.08	-4.58	-7.24
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.01	-1.50	-2.37
Rochester, NY	Ozone	Former Subpart 1	50	-	-16.12	-24.02	-37.94
Rocky Mount, NC	Ozone	Maintenance	100	-	-2.17	-3.23	-5.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.43	-2.13	-3.37
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Sacramento County, CA	PM ₁₀	Moderate	100	-	-20.73	-30.89	-48.80
Sacramento Metro, CA	Ozone	Severe	25	-	-38.03	-56.66	-89.51
Sacramento, CA	CO	Maintenance	100	-	-23.30	-34.72	-54.85
Salem, OR	CO	Maintenance	100	-	-1.56	-2.32	-3.67
Salt Lake City, UT	CO	Maintenance	100	-	-11.13	-9.03	23.48

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Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-21.33	-24.23	-0.53
Salt Lake County, UT	SO _x	Nonattainment	100	-	-12.88	-19.18	-30.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	-23.58	-35.13	-55.45
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.57	-8.30	-13.11
San Diego, CA	CO	Maintenance	100	-	-56.35	-83.96	-132.64
San Diego, CA	Ozone	Former Subpart 1	50	-	-56.46	-84.12	-132.90
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,768.02	-1,129.55	5,734.60
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,778.64	-1,145.38	5,709.60
San Joaquin Valley, CA	Ozone	Extreme	10	-	-80.11	-103.59	-84.81
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-80.30	-103.87	-85.26
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-80.11	-103.59	-84.81
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.45	-0.67	-1.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-8.06	-12.01	-18.97
Seattle-Tacoma, WA	CO	Maintenance	100	-	-38.15	-56.85	-89.81
Sheboygan, WI	Ozone	Moderate	50	-	-1.48	-2.21	-3.49
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.26	-0.39	-0.61
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.22	-0.33	-0.51
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-5.45	-8.12	-12.82
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.80	-2.68	-4.24
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.77	-5.62	-8.88
Spokane, WA	CO	Maintenance	100	-	-3.73	-5.56	-8.78
Springfield (western MA), MA	Ozone	Moderate	50	-	-10.75	-16.02	-25.31
Springfield, MA	CO	Maintenance	100	-	-1.79	-2.67	-4.22
St. Louis, MO	CO	Maintenance	100	-	-9.90	-14.75	-23.30
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,473.76	-910.29	4,985.73
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,473.53	-909.95	4,986.27

Appendix B

Table B.1-191							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-2.19	-3.26	-5.14
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.26	-0.39	-0.62
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.47	-0.71	-1.12
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-13.41	-8.95	40.95
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-13.41	-8.95	40.95
Stockton, CA	CO	Maintenance	100	-	-6.46	-9.63	-15.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-6.00	-8.94	-14.13
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-1.45	-2.16	-3.42
Tioga County, PA	Ozone	Maintenance	100	-	-0.64	-0.95	-1.51
Toledo, OH	Ozone	Maintenance	100	-	-85.91	-56.97	264.92
Toms River, NJ	CO	Maintenance	100	-	-1.33	-1.98	-3.12
Tooele County, UT	SO _x	Nonattainment	100	-	-1.26	-1.88	-2.97
Trenton, NJ	CO	Maintenance	100	-	-1.09	-1.62	-2.56
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.10
Tucson, AZ	CO	Maintenance	100	-	-12.89	-19.21	-30.35
Utah County, UT	PM ₁₀	Moderate	100	-	-6.29	-9.38	-14.81
Vancouver, WA	CO	Maintenance	100	-	-4.19	-6.24	-9.86
Ventura County, CA	Ozone	Serious	50	-	-12.35	-17.63	-23.95
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.19
Vigo County, IN	SO _x	Maintenance	100	-	-1.45	-2.16	-3.42
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.68	-1.01	-1.59
Warren County, NJ	SO _x	Maintenance	100	-	-0.44	-0.66	-1.04
Warren County, PA	SO _x	Nonattainment	100	-	-0.16	-0.24	-0.37
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.54	-3.78	-5.98
Washington, DC-MD-VA	CO	Maintenance	100	-	-19.38	-28.88	-45.62

Appendix B

**Table B.1-191
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action,	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-69.37	-103.36	-163.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-67.83	-101.07	-159.67
Washoe County, NV	PM ₁₀	Serious	70	-	-2.98	-4.44	-7.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.05	-0.07	-0.11
Wayne County, IN	SO _x	Maintenance	100	-	-0.78	-1.16	-1.84
Wayne County, MI	PM ₁₀	Maintenance	100	-	-29.76	-18.67	98.77
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.23
Weirton, WV	SO _x	Maintenance	100	-	-0.13	-0.20	-0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.63	-2.44	-3.85
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.63	-2.44	-3.85
Winston-Salem, NC	CO	Maintenance	100	-	-5.05	-7.52	-11.88
Worcester, MA	CO	Maintenance	100	-	-2.83	-4.21	-6.66
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.15	-1.72	-2.72
Yakima, WA	CO	Maintenance	100	-	-0.52	-0.78	-1.22
York, PA	Ozone	Maintenance	100	-	-5.59	-8.34	-13.17
York, PA	PM _{2.5}	Nonattainment	100	-	-4.34	-6.46	-10.21
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-7.16	-10.67	-16.85
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.46	-3.67	-5.80

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.04	-0.05	-0.07
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.10	-0.13	-0.18
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.10	-0.13	-0.19
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-31.03	-39.13	-56.05
Albuquerque, NM	CO	Maintenance	100	-	-13.95	-17.59	-25.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.93	-4.96	-7.10
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-14.25	-17.97	-25.74
Altoona, PA	Ozone	Maintenance	100	-	-2.32	-2.81	-3.41
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-5.61	-7.08	-10.14
Anchorage, AK	CO	Maintenance	100	-	-3.78	-4.77	-6.83
Anthony, NM	PM ₁₀	Moderate	100	-	-0.17	-0.22	-0.31
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.12	-0.15	-0.21
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.18	-0.23	-0.33
Atlanta, GA	Ozone	Moderate	50	-	-175.67	-221.51	-317.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-175.73	-221.59	-317.36
Atlantic City, NJ	CO	Maintenance	100	-	-1.15	-1.45	-2.07
Bakersfield, CA	CO	Maintenance	100	-	-50.45	-42.07	52.91
Baltimore, MD	CO	Maintenance	100	-	-0.22	-0.28	-0.41
Baltimore, MD	Ozone	Moderate	50	-	-75.71	-95.47	-136.73
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-75.71	-95.46	-136.73
Baton Rouge, LA	Ozone	Moderate	50	-	-433.91	-314.66	770.46
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5,799.33	-4,081.92	11,123.55
Benton County, TN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-3.59	-4.53	-6.48
Benzie County, MI	Ozone	Maintenance	100	-	-0.68	-0.86	-1.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-3.74	-4.72	-6.76
Billings, MT	CO	Maintenance	100	-	-824.24	-580.42	1,579.16
Birmingham, AL	Ozone	Maintenance	100	-	-23.67	-29.34	-39.34

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-23.76	-29.44	-39.49
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-8.46	-10.67	-15.28
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-8.46	-10.67	-15.28
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.49	-0.62	-0.89
Boston, MA	CO	Maintenance	100	-	-19.90	-25.09	-35.93
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-123.41	-155.61	-222.86
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-16.47	-20.77	-29.75
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.21	-0.26	-0.38
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-26.31	-33.17	-47.51
Burlington, NJ	CO	Maintenance	100	-	-0.11	-0.14	-0.20
Butte, MT	PM ₁₀	Moderate	100	-	-0.39	-0.50	-0.71
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.57	-0.71	-1.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	-44.80	-35.07	62.34
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-44.80	-35.07	62.34
Case County, MI	Ozone	Maintenance	100	-	-0.98	-1.24	-1.78
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.12	-0.15	-0.21
Charleston, WV	Ozone	Maintenance	100	-	-5.63	-7.09	-10.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-5.63	-7.09	-10.16
Charlotte, NC	CO	Maintenance	100	-	-19.57	-24.68	-35.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-42.78	-53.94	-77.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-12.48	-15.72	-22.43
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-11.56	-14.56	-20.77
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-3,941.45	-2,869.48	6,923.29
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-3,947.41	-2,876.99	6,912.52
Chico, CA	CO	Maintenance	100	-	-3.63	-4.57	-6.55
Chico, CA	Ozone	Former Subpart 1	50	-	-7.60	-9.58	-13.72
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-47.50	-59.90	-85.79

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-45.97	-57.96	-83.02
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.24	-0.31	-0.44
Clark County, NV	PM ₁₀	Serious	70	-	-43.47	-54.81	-78.51
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-6.72	-8.47	-12.14
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-4.10	-5.17	-7.40
Cleveland, OH	CO	Maintenance	100	-	-18.49	-23.31	-33.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-58.01	-73.15	-104.77
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-53.05	-66.89	-95.81
Coachella Valley, CA	PM ₁₀	Serious	70	-	-19.89	-25.08	-35.92
Colbert County, AL	SO _x	Maintenance	100	-	-1.16	-1.47	-2.10
Colorado Springs, CO	CO	Maintenance	100	-	-16.17	-20.39	-29.21
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.15	-0.20	-0.28
Columbia, SC	Ozone	Former Subpart 1	50	-	-15.75	-19.86	-28.44
Columbus, OH	Ozone	Maintenance	100	-	-44.64	-56.28	-80.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-41.57	-52.42	-75.08
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.07	-0.10
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-18.49	-23.31	-33.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	-15.94	-20.10	-28.78
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-191.42	-241.37	-345.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-18.16	-22.90	-32.80
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-15.95	-20.11	-28.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-500.10	-396.25	663.43
Denver-Boulder, CO	CO	Maintenance	100	-	-496.55	-391.78	669.83
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-516.68	-417.16	633.48
Detroit, MI	CO	Maintenance	100	-	-181.09	-143.39	240.87
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-299.30	-271.63	166.54
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-297.24	-269.03	170.26

Appendix B

Table B.1-192
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.95	-1.20	-1.72
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.79	-0.99	-1.42
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.65	-0.82	-1.17
Duluth, MN	CO	Maintenance	100	-	-1.72	-2.17	-3.11
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.24	-0.31	-0.44
East Chicago, IN	CO	Maintenance	100	-	-0.02	-0.03	-0.04
East Chicago, IN	PM ₁₀	Maintenance	100	-	-979.43	-691.06	1,867.36
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-124.18	-94.11	193.38
El Paso, TX	CO	Maintenance	100	-	-0.73	-0.91	-1.31
Erie, PA	Ozone	Maintenance	100	-	-5.00	-6.30	-9.02
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.04	-0.06	-0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	-5.81	-7.32	-10.49
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-5.58	-7.04	-10.08
Evansville, IN	Ozone	Maintenance	100	-	-5.87	-7.40	-10.60
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-7.41	-9.34	-13.38
Fairbanks, AK	CO	Maintenance	100	-	-0.47	-0.60	-0.86
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-7.03	-8.86	-12.70
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.20	-0.25	-0.36
Flint, MI	Ozone	Maintenance	100	-	-11.71	-14.76	-21.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.03
Fort Collins, CO	CO	Maintenance	100	-	-4.93	-6.21	-8.90
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-8.73	-11.01	-15.76
Franklin County, PA	Ozone	Maintenance	100	-	-3.79	-4.78	-6.85
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.02	-0.02	-0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	-3.15	-3.97	-5.69
Fredericksburg, VA	Ozone	Maintenance	100	-	-11.82	-14.90	-21.35

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.55	-0.69	-0.99
Fresno, CA	CO	Maintenance	100	-	-15.82	-19.95	-28.57
Grand Rapids, MI	Ozone	Maintenance	100	-	-20.90	-26.35	-37.74
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.81	-1.02	-1.46
Grant County, NM	SO _x	Maintenance	100	-	-0.05	-0.06	-0.09
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.93	-1.17	-1.68
Great Falls, MT	CO	Maintenance	100	-	-0.36	-0.45	-0.65
Greater Connecticut, CT	Ozone	Moderate	50	-	-37.17	-46.87	-67.13
Greeley, CO	CO	Maintenance	100	-	-3.22	-4.06	-5.82
Green Bay, WI	SO _x	Maintenance	100	-	-2.99	-3.77	-5.41
Greene County, IN	Ozone	Maintenance	100	-	-1.15	-1.45	-2.08
Greene County, PA	Ozone	Maintenance	100	-	-1.00	-1.27	-1.81
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-37.69	-47.53	-68.07
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-18.30	-23.07	-33.04
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-19.93	-25.13	-36.00
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.52	-0.66	-0.94
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.76	-3.48	-4.99
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-21.78	-27.47	-39.34
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-20.07	-25.30	-36.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-23.42	-29.53	-42.29
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.28	-0.35	-0.51
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.12	-1.41	-2.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.12	-0.15	-0.21
Hazelwood, PA	SO _x	Maintenance	100	-	-0.96	-1.20	-1.73
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-3.82	-4.82	-6.90
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-6.54	-8.25	-11.82
Hollis Township, IL	SO _x	Maintenance	100	-	-0.05	-0.06	-0.09

Appendix B

Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,828.97	-1,365.60	2,984.90
Humphreys County, TN	SO _x	Maintenance	100	-	-0.07	-0.08	-0.12
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-99.34	-73.44	166.97
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-96.13	-69.40	172.76
Huron County, MI	Ozone	Maintenance	100	-	-0.62	-0.78	-1.12
Imperial County, CA	Ozone	Moderate	50	-	-6.26	-7.89	-11.30
Imperial Valley, CA	PM ₁₀	Serious	70	-	-6.13	-7.73	-11.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.73	-0.92	-1.32
Indianapolis, IN	CO	Maintenance	100	-	-0.02	-0.02	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-50.66	-63.88	-91.49
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-40.32	-50.84	-72.82
Jackson County, IN	Ozone	Maintenance	100	-	-1.80	-2.27	-3.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	-3.53	-4.45	-6.37
Jefferson County, NY	Ozone	Moderate	50	-	-2.87	-3.62	-5.18
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.14	-0.17	-0.25
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-4.79	-6.04	-8.65
Johnstown, PA	Ozone	Maintenance	100	-	-1.75	-2.21	-3.16
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.93	-2.43	-3.48
Juneau, AK	PM ₁₀	Moderate	100	-	-0.33	-0.42	-0.60
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-11.50	-14.50	-20.77
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.81	-1.02	-1.46
Kansas City, MO-KS	Ozone	Maintenance	100	-	-42.39	-53.44	-76.53
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-3.68	-4.65	-6.65
Kent, WA	PM ₁₀	Maintenance	100	-	-0.71	-0.89	-1.28
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.91	-2.41	-3.45
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.55	-0.69	-0.99
King County, WA	PM ₁₀	Maintenance	100	-	-0.27	-0.34	-0.49
Klamath Falls, OR	CO	Maintenance	100	-	-1.10	-1.38	-1.98

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Table B.1-192
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-1.10	-1.38	-1.98
Knoxville, TN	Ozone	Former Subpart 1	50	-	-31.96	-40.30	-57.73
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-24.10	-30.39	-43.53
La Porte County, IN	SO _x	Maintenance	100	-	-0.72	-0.91	-1.30
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.35	-0.44	-0.63
Lake County, IN	SO _x	Maintenance	100	-	-6.45	-8.14	-11.65
Lake County, OH	SO _x	Maintenance	100	-	-0.80	-1.01	-1.45
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.13	-0.16	-0.23
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-1.01	-1.28	-1.83
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-2.31	-2.91	-4.16
Lake Tahoe, NV	CO	Maintenance	100	-	-0.46	-0.58	-0.84
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.20	-0.25	-0.36
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.03	-0.03	-0.05
Lancaster, PA	Ozone	Maintenance	100	-	-11.04	-13.92	-19.94
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-11.04	-13.92	-19.94
Lane County, OR	PM ₁₀	Moderate	100	-	-0.03	-0.03	-0.05
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-11.27	-14.21	-20.36
LaPorte, IN	Ozone	Maintenance	100	-	-2.00	-2.52	-3.61
Las Vegas, NV	CO	Serious	100	-	-43.47	-54.81	-78.51
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-43.92	-55.38	-79.32
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.88	-2.37	-3.40
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.04	-0.05	-0.07
Libby, MT	PM ₁₀	Moderate	100	-	-0.09	-0.11	-0.16
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.12	-0.15	-0.21
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.24	-0.31	-0.44
Lima, OH	Ozone	Maintenance	100	-	-617.62	-435.54	1,179.18
Longmont, CO	CO	Maintenance	100	-	-2.62	-3.31	-4.74
Lorain County, OH	SO _x	Maintenance	100	-	-1.09	-1.38	-1.97

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Table B.1-192
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,711.78	-1,426.53	1,801.47
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1,711.78	-1,426.53	1,801.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,711.78	-1,426.53	1,801.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,711.79	-1,426.53	1,801.46
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,711.77	-1,426.51	1,801.50
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-18.45	-23.27	-33.33
Louisville, KY-IN	Ozone	Maintenance	100	-	-25.61	-32.29	-46.25
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-24.35	-30.71	-43.98
Lowell, MA	CO	Maintenance	100	-	-2.96	-3.74	-5.35
Lucas County, OH	SO _x	Maintenance	100	-	-6.25	-7.88	-11.28
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.31	-1.65	-2.36
Macon, GA	Ozone	Maintenance	100	-	-4.28	-5.40	-7.73
Macon, GA	PM _{2.5}	Nonattainment	100	-	-4.23	-5.33	-7.63
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.06	-0.07	-0.11
Madison, WI	SO _x	Maintenance	100	-	-6.87	-8.67	-12.41
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.36	-0.45	-0.65
Manchester, NH	CO	Maintenance	100	-	-1.53	-1.93	-2.76
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-2.23	-2.81	-4.03
Marion County, IN	SO _x	Maintenance	100	-	-6.68	-8.43	-12.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-3.49	-4.41	-6.31
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-7.60	-9.59	-13.73
Mason County, MI	Ozone	Maintenance	100	-	-0.64	-0.81	-1.16
Medford, OR	CO	Maintenance	100	-	-2.25	-2.84	-4.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-5.44	-6.86	-9.82
Memphis, TN-AR	Ozone	Maintenance	100	-	-44.12	-42.96	5.04
Memphis, TN	CO	Maintenance	100	-	-42.57	-41.01	7.83
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.83	-1.04	-1.49

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.10	-0.13	-0.18
Milwaukee, WI	SO _x	Maintenance	100	-	-11.57	-14.58	-20.89
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-43.15	-54.41	-77.93
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-194.87	-177.52	103.95
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-70.52	-88.92	-127.34
Missoula, MT	CO	Maintenance	100	-	-1.53	-1.93	-2.77
Missoula, MT	PM ₁₀	Moderate	100	-	-1.48	-1.87	-2.67
Modesto, CA	CO	Maintenance	100	-	-9.13	-11.52	-16.50
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.16	-3.99	-5.71
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.07	-0.09	-0.13
Morristown, NJ	CO	Maintenance	100	-	-0.97	-1.22	-1.75
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.61	-0.77	-1.10
Muncie, IN	Ozone	Maintenance	100	-	-2.22	-2.80	-4.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.14	-0.18	-0.25
Muscatine County, IA	SO _x	Maintenance	100	-	-0.37	-0.47	-0.68
Muskegon, MI	Ozone	Maintenance	100	-	-3.11	-3.93	-5.62
Nashua, NH	CO	Maintenance	100	-	-1.25	-1.57	-2.25
Nashville, TN	Ozone	Former Subpart 1	50	-	-42.18	-53.18	-76.17
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-4.81	-6.06	-8.68
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.90	-4.92	-7.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-17.46	-22.02	-31.54
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.13	-0.16	-0.23
New York County, NY	PM ₁₀	Moderate	100	-	-9.40	-11.86	-16.98
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-288.57	-302.80	-112.88
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-483.13	-535.36	-378.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-479.90	-531.28	-373.06
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.03	-1.30	-1.86

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-288.65	-223.36	418.65
Ogden, UT	CO	Maintenance	100	-	-1.57	-1.98	-2.84
Ogden, UT	PM ₁₀	Moderate	100	-	-1.57	-1.98	-2.84
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.07
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.42	-0.52	-0.75
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.95	-3.72	-5.33
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.14	-0.18	-0.25
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-3.18	-4.00	-5.74
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-3.20	-4.04	-5.78
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.51	-0.65	-0.93
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-2.14	-2.70	-3.87
Perth Amboy, NJ	CO	Maintenance	100	-	-25.28	-19.11	39.69
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-7.83	-9.88	-14.15
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,030.26	-781.10	1,602.15
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,079.78	-843.54	1,512.72
Phoenix, AZ	CO	Maintenance	100	-	-155.09	-195.56	-280.08
Phoenix, AZ	PM ₁₀	Serious	70	-	-159.03	-200.53	-287.21
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-159.42	-201.02	-287.91
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.22	-0.27	-0.39
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Pittsburgh, PA	CO	Maintenance	100	-	-0.76	-0.96	-1.38
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-44.84	-56.19	-78.64
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-41.00	-51.34	-71.69
Polk County, TN	SO _x	Maintenance	100	-	-0.48	-0.60	-0.86
Polson, MT	PM ₁₀	Moderate	100	-	-0.09	-0.11	-0.16
Portland, ME	Ozone	Maintenance	100	-	-13.36	-16.85	-24.13

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Table B.1-192
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-29.42	-35.74	-44.10
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.97	-1.23	-1.76
Poughkeepsie, NY	Ozone	Moderate	50	-	-37.96	-47.87	-68.56
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.19	-0.24	-0.34
Providence (entire State), RI	Ozone	Moderate	50	-	-24.38	-30.74	-44.03
Provo, UT	CO	Maintenance	100	-	-4.54	-5.72	-8.19
Raleigh-Durham, NC	CO	Maintenance	100	-	-35.14	-44.31	-63.46
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-47.64	-60.07	-86.04
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.07
Reading, PA	Ozone	Maintenance	100	-	-7.73	-9.74	-13.96
Reading, PA	PM _{2.5}	Nonattainment	100	-	-7.73	-9.74	-13.96
Reno, NV	CO	Maintenance	100	-	-5.83	-7.35	-10.53
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-28.84	-36.36	-52.08
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.45	-1.83	-2.62
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-19.89	-25.08	-35.92
Roanoke, VA	Ozone	Former Subpart 1	50	-	-5.81	-7.33	-10.50
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-2.01	-2.54	-3.64
Rochester, NY	Ozone	Former Subpart 1	50	-	-31.17	-39.31	-56.30
Rocky Mount, NC	Ozone	Maintenance	100	-	-4.08	-5.14	-7.37
Rome, GA	PM _{2.5}	Nonattainment	100	-	-2.74	-3.46	-4.96
Ronan, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.05	-0.07	-0.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	-44.74	-56.42	-80.81
Sacramento Metro, CA	Ozone	Severe	25	-	-83.02	-104.69	-149.94
Sacramento, CA	CO	Maintenance	100	-	-50.36	-63.50	-90.95
Salem, OR	CO	Maintenance	100	-	-2.97	-3.74	-5.36
Salt Lake City, UT	CO	Maintenance	100	-	-23.87	-19.78	25.86

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Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-44.20	-45.42	-10.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	-25.71	-32.42	-46.43
San Antonio, TX	Ozone	Former Subpart 1	50	-	-47.63	-60.05	-85.95
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-11.21	-14.14	-20.25
San Diego, CA	CO	Maintenance	100	-	-119.76	-151.02	-216.29
San Diego, CA	Ozone	Former Subpart 1	50	-	-120.00	-151.31	-216.72
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3,854.69	-2,805.91	6,773.57
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3,875.62	-2,832.30	6,735.78
San Joaquin Valley, CA	Ozone	Extreme	10	-	-172.51	-195.98	-167.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-172.80	-196.35	-168.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-172.51	-195.98	-167.54
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.94	-1.19	-1.70
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-15.59	-19.66	-28.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	-77.42	-97.62	-139.82
Sheboygan, WI	Ozone	Moderate	50	-	-2.96	-3.73	-5.34
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.49	-0.62	-0.89
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.44	-0.55	-0.79
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-10.54	-13.29	-19.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.82	-3.55	-5.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	-7.62	-9.61	-13.77
Spokane, WA	CO	Maintenance	100	-	-7.53	-9.50	-13.61
Springfield (western MA), MA	Ozone	Moderate	50	-	-20.80	-26.23	-37.57
Springfield, MA	CO	Maintenance	100	-	-3.66	-4.61	-6.61
St. Louis, MO	CO	Maintenance	100	-	-17.23	-21.72	-31.11
St. Louis, MO-IL	Ozone	Moderate	50	-	-3,211.00	-2,293.54	5,935.34
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-3,210.57	-2,293.00	5,936.12

Appendix B

Table B.1-192							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Sulfur Dioxide (SO₂) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-4.45	-5.61	-8.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.58	-0.74	-1.05
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.85	-1.07	-1.53
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-28.88	-21.37	48.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-28.88	-21.37	48.47
Stockton, CA	CO	Maintenance	100	-	-14.19	-17.89	-25.63
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-11.29	-14.24	-20.40
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.06	-0.07	-0.10
Terre Haute, IN	Ozone	Maintenance	100	-	-2.58	-3.25	-4.66
Tioga County, PA	Ozone	Maintenance	100	-	-1.17	-1.48	-2.12
Toledo, OH	Ozone	Maintenance	100	-	-185.82	-137.32	312.77
Toms River, NJ	CO	Maintenance	100	-	-2.84	-3.58	-5.12
Tooele County, UT	SO _x	Nonattainment	100	-	-2.53	-3.19	-4.57
Trenton, NJ	CO	Maintenance	100	-	-2.16	-2.72	-3.90
Trona, CA	PM ₁₀	Moderate	100	-	-0.09	-0.12	-0.17
Tucson, AZ	CO	Maintenance	100	-	-26.52	-33.44	-47.89
Utah County, UT	PM ₁₀	Moderate	100	-	-12.95	-16.32	-23.38
Vancouver, WA	CO	Maintenance	100	-	-8.83	-11.13	-15.95
Ventura County, CA	Ozone	Serious	50	-	-26.43	-32.26	-40.62
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.15	-0.18	-0.26
Vigo County, IN	SO _x	Maintenance	100	-	-2.58	-3.25	-4.66
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.30	-1.65	-2.36
Warren County, NJ	SO _x	Maintenance	100	-	-0.87	-1.10	-1.58
Warren County, PA	SO _x	Nonattainment	100	-	-0.28	-0.35	-0.51
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-4.87	-6.15	-8.80
Washington, DC-MD-VA	CO	Maintenance	100	-	-39.53	-49.84	-71.39

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Table B.1-192
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-141.65	-178.61	-255.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-138.37	-174.48	-249.89
Washoe County, NV	PM ₁₀	Serious	70	-	-5.83	-7.35	-10.53
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.09	-0.11	-0.16
Wayne County, IN	SO _x	Maintenance	100	-	-1.38	-1.74	-2.49
Wayne County, MI	PM ₁₀	Maintenance	100	-	-76.58	-55.48	136.38
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.14	-0.18	-0.26
Weirton, WV	SO _x	Maintenance	100	-	-0.20	-0.25	-0.36
Wheeling, WV-OH	Ozone	Maintenance	100	-	-2.88	-3.63	-5.20
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.88	-3.63	-5.20
Winston-Salem, NC	CO	Maintenance	100	-	-9.93	-12.52	-17.93
Worcester, MA	CO	Maintenance	100	-	-5.91	-7.45	-10.67
Yakima County, WA	PM ₁₀	Maintenance	100	-	-2.28	-2.87	-4.12
Yakima, WA	CO	Maintenance	100	-	-1.12	-1.42	-2.03
York, PA	Ozone	Maintenance	100	-	-11.22	-14.15	-20.27
York, PA	PM _{2.5}	Nonattainment	100	-	-8.68	-10.95	-15.68
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-12.94	-16.32	-23.37
Yuma, AZ	PM ₁₀	Moderate	100	-	-5.16	-6.50	-9.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-193							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.09	-0.12	-0.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.18
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.07	-0.09	-0.19
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-23.97	-31.68	-63.02
Albuquerque, NM	CO	Maintenance	100	-	-9.67	-12.80	-25.63
Allegan County, MI	Ozone	Former Subpart 1	50	-	-4.11	-5.42	-10.60
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-7.21	-9.58	-19.54
Altoona, PA	Ozone	Maintenance	100	-	-3.71	-4.89	-9.50
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.76	-1.03	-2.30
Anchorage, AK	CO	Maintenance	100	-	-6.49	-8.53	-16.49
Anthony, NM	PM ₁₀	Moderate	100	-	-0.33	-0.43	-0.83
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.07
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.30	-0.39	-0.75
Atlanta, GA	Ozone	Moderate	50	-	-115.94	-153.37	-305.98
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-116.13	-153.61	-306.44
Atlantic City, NJ	CO	Maintenance	100	-	-0.40	-0.54	-1.15
Bakersfield, CA	CO	Maintenance	100	-	-14.05	-18.51	-36.09
Baltimore, MD	CO	Maintenance	100	-	-0.29	-0.38	-0.74
Baltimore, MD	Ozone	Moderate	50	-	-26.52	-35.40	-73.92
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-26.52	-35.40	-73.92
Baton Rouge, LA	Ozone	Moderate	50	-	-60.68	-79.67	-152.74
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-100.94	-132.36	-251.94
Benton County, TN	SO _x	Maintenance	100	-	-0.12	-0.15	-0.29
Benton Harbor, MI	Ozone	Maintenance	100	-	-7.97	-10.48	-20.30
Benzie County, MI	Ozone	Maintenance	100	-	-0.79	-1.04	-2.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-5.32	-7.01	-13.62
Billings, MT	CO	Maintenance	100	-	-27.28	-35.76	-67.99
Birmingham, AL	Ozone	Maintenance	100	-	-17.38	-23.00	-45.97

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Table B.1-193							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-17.49	-23.14	-46.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-15.13	-19.89	-38.46
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-15.13	-19.89	-38.46
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.65	-0.86	-1.67
Boston, MA	CO	Maintenance	100	-	-8.12	-10.83	-22.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-37.64	-50.44	-107.35
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.66	-4.94	-10.84
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.59	-2.08	-3.97
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-16.39	-21.74	-43.89
Burlington, NJ	CO	Maintenance	100	-	-0.08	-0.10	-0.21
Butte, MT	PM ₁₀	Moderate	100	-	-2.28	-2.99	-5.72
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.01	-1.33	-2.57
Canton-Massillon, OH	Ozone	Maintenance	100	-	-11.96	-15.74	-30.53
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-11.96	-15.74	-30.53
Case County, MI	Ozone	Maintenance	100	-	-1.53	-2.02	-3.93
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.04	-0.05	-0.10
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.51	-0.67	-1.28
Charleston, WV	Ozone	Maintenance	100	-	-3.83	-5.09	-10.30
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.83	-5.09	-10.30
Charlotte, NC	CO	Maintenance	100	-	-8.48	-11.27	-23.03
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-31.15	-41.17	-81.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-28.13	-36.98	-71.40
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-25.76	-33.86	-65.36
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-96.73	-128.29	-259.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-102.23	-135.54	-273.68
Chico, CA	CO	Maintenance	100	-	-1.94	-2.56	-5.09
Chico, CA	Ozone	Former Subpart 1	50	-	-4.53	-5.99	-11.90
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-30.12	-39.90	-80.18

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Table B.1-193							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-28.04	-37.16	-74.87
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.37	-0.49	-0.95
Clark County, NV	PM ₁₀	Serious	70	-	-17.29	-22.98	-46.89
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-15.54	-20.42	-39.32
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-8.74	-11.49	-22.21
Cleveland, OH	CO	Maintenance	100	-	-16.10	-21.30	-42.62
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-32.49	-43.14	-87.78
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-29.82	-39.61	-80.63
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.28	-3.12	-7.30
Colbert County, AL	SO _x	Maintenance	100	-	-2.65	-3.49	-6.76
Colorado Springs, CO	CO	Maintenance	100	-	-19.17	-25.25	-49.21
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.28	-0.37	-0.72
Columbia, SC	Ozone	Former Subpart 1	50	-	-31.00	-40.76	-78.80
Columbus, OH	Ozone	Maintenance	100	-	-33.81	-44.67	-88.49
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-28.99	-38.32	-76.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.07	-0.14
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-16.10	-21.31	-42.62
Cuyahoga County, OH	SO _x	Maintenance	100	-	-13.12	-17.36	-34.73
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-110.25	-145.96	-292.39
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-14.91	-19.72	-39.36
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-12.92	-17.09	-34.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-29.52	-39.33	-81.28
Denver-Boulder, CO	CO	Maintenance	100	-	-28.90	-38.48	-79.38
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-52.30	-69.30	-139.51
Detroit, MI	CO	Maintenance	100	-	-33.87	-44.74	-88.60
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-82.94	-109.69	-218.66
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-79.41	-105.05	-209.67

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Table B.1-193							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.22	-0.29	-0.64
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.62	-0.82	-1.64
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.49	-0.65	-1.29
Duluth, MN	CO	Maintenance	100	-	-3.47	-4.57	-8.85
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.39	-0.51	-0.99
East Chicago, IN	CO	Maintenance	100	-	-0.04	-0.05	-0.09
East Chicago, IN	PM ₁₀	Maintenance	100	-	-20.28	-26.62	-50.97
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.11
El Paso County, TX	PM ₁₀	Moderate	100	-	-12.71	-16.76	-32.88
El Paso, TX	CO	Maintenance	100	-	-0.68	-0.90	-1.78
Erie, PA	Ozone	Maintenance	100	-	-3.80	-5.03	-10.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-9.61	-12.65	-24.51
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-9.18	-12.08	-23.40
Evansville, IN	Ozone	Maintenance	100	-	-6.35	-8.37	-16.46
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-10.53	-13.87	-27.06
Fairbanks, AK	CO	Maintenance	100	-	-1.30	-1.71	-3.28
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.38	-4.50	-9.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.37	-0.49	-0.94
Flint, MI	Ozone	Maintenance	100	-	-7.94	-10.52	-21.16
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.15
Fort Collins, CO	CO	Maintenance	100	-	-4.48	-5.91	-11.60
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.09
Fort Wayne, IN	Ozone	Maintenance	100	-	-17.89	-23.52	-45.44
Franklin County, PA	Ozone	Maintenance	100	-	-6.32	-8.32	-16.13
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.04	-0.05	-0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	-10.02	-13.16	-25.26
Fredericksburg, VA	Ozone	Maintenance	100	-	-10.24	-13.51	-26.54

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Table B.1-193
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.12	-0.17	-0.36
Fresno, CA	CO	Maintenance	100	-	-5.92	-7.89	-16.28
Grand Rapids, MI	Ozone	Maintenance	100	-	-17.55	-23.18	-45.79
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.46	-1.92	-3.73
Grant County, NM	SO _x	Maintenance	100	-	-0.18	-0.24	-0.46
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.02	-0.05
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.38	-1.82	-3.52
Great Falls, MT	CO	Maintenance	100	-	-1.34	-1.76	-3.39
Greater Connecticut, CT	Ozone	Moderate	50	-	-20.81	-27.64	-56.22
Greeley, CO	CO	Maintenance	100	-	-6.42	-8.44	-16.28
Green Bay, WI	SO _x	Maintenance	100	-	-2.38	-3.14	-6.24
Greene County, IN	Ozone	Maintenance	100	-	-3.98	-5.22	-10.02
Greene County, PA	Ozone	Maintenance	100	-	-2.75	-3.61	-6.95
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-28.93	-38.26	-76.30
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-13.08	-17.31	-34.69
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-50.97	-66.99	-129.14
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.32	-0.42	-0.86
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.64	-3.48	-6.87
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-10.91	-14.49	-29.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-10.72	-14.22	-28.75
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-11.46	-15.25	-31.40
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.13	-0.17	-0.34
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.67	-0.89	-1.77
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.06	-0.13
Hazelwood, PA	SO _x	Maintenance	100	-	-1.04	-1.37	-2.68
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.87	-3.80	-7.62
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-5.10	-6.75	-13.48
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.03	-0.06

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Table B.1-193
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-384.04	-504.44	-969.45
Humphreys County, TN	SO _x	Maintenance	100	-	-0.17	-0.22	-0.43
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-42.09	-55.23	-105.45
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-34.54	-45.29	-86.28
Huron County, MI	Ozone	Maintenance	100	-	-1.03	-1.36	-2.65
Imperial County, CA	Ozone	Moderate	50	-	-3.05	-4.05	-8.16
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.98	-3.95	-7.97
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.91	-1.19	-2.34
Indianapolis, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.08
Indianapolis, IN	Ozone	Maintenance	100	-	-42.00	-55.48	-109.76
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-32.13	-42.44	-84.09
Jackson County, IN	Ozone	Maintenance	100	-	-6.24	-8.19	-15.73
Jamestown, NY	Ozone	Former Subpart 1	50	-	-3.47	-4.58	-9.04
Jefferson County, NY	Ozone	Moderate	50	-	-1.40	-1.87	-3.82
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.59	-0.78	-1.49
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-14.58	-19.15	-36.83
Johnstown, PA	Ozone	Maintenance	100	-	-3.08	-4.05	-7.93
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-4.05	-5.34	-10.39
Juneau, AK	PM ₁₀	Moderate	100	-	-1.00	-1.31	-2.50
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-14.22	-18.75	-36.72
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.53	-2.01	-3.88
Kansas City, MO-KS	Ozone	Maintenance	100	-	-60.69	-79.89	-155.29
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.30	-0.43	-1.13
Kent, WA	PM ₁₀	Maintenance	100	-	-0.55	-0.72	-1.43
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-2.22	-2.92	-5.73
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.41	-0.54	-1.07
King County, WA	PM ₁₀	Maintenance	100	-	-0.23	-0.30	-0.59
Klamath Falls, OR	CO	Maintenance	100	-	-2.51	-3.30	-6.38

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**Table B.1-193
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-2.51	-3.30	-6.38
Knoxville, TN	Ozone	Former Subpart 1	50	-	-55.62	-73.14	-141.37
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-45.87	-60.30	-116.43
La Porte County, IN	SO _x	Maintenance	100	-	-1.79	-2.35	-4.54
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.93	-1.23	-2.36
Lake County, IN	SO _x	Maintenance	100	-	-10.17	-13.39	-26.11
Lake County, OH	SO _x	Maintenance	100	-	-0.29	-0.39	-0.82
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.33	-0.44	-0.85
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.12	-0.16	-0.37
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.29	-0.39	-0.88
Lake Tahoe, NV	CO	Maintenance	100	-	-0.26	-0.35	-0.71
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.09	-1.44	-2.74
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-3.49	-4.67	-9.88
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.49	-4.67	-9.88
Lane County, OR	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.16
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.69	-6.25	-12.96
LaPorte, IN	Ozone	Maintenance	100	-	-5.01	-6.59	-12.72
Las Vegas, NV	CO	Serious	100	-	-17.29	-22.98	-46.89
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-17.56	-23.34	-47.63
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.80	-1.07	-2.23
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.08	-0.11	-0.21
Libby, MT	PM ₁₀	Moderate	100	-	-0.13	-0.18	-0.34
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.18	-0.23	-0.46
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.37	-0.49	-0.95
Lima, OH	Ozone	Maintenance	100	-	-11.39	-14.94	-28.59
Longmont, CO	CO	Maintenance	100	-	-0.44	-0.60	-1.35
Lorain County, OH	SO _x	Maintenance	100	-	-0.50	-0.67	-1.38

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**Table B.1-193
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Volatile Organic Compounds (VOCs) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-183.31	-243.50	-496.22
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-183.31	-243.50	-496.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-183.31	-243.50	-496.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-183.32	-243.50	-496.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-183.30	-243.49	-496.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-6.25	-8.34	-17.36
Louisville, KY-IN	Ozone	Maintenance	100	-	-18.80	-24.88	-49.81
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-18.96	-25.09	-50.11
Lowell, MA	CO	Maintenance	100	-	-0.88	-1.18	-2.50
Lucas County, OH	SO _x	Maintenance	100	-	-4.88	-6.46	-12.95
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.69	-0.92	-1.89
Macon, GA	Ozone	Maintenance	100	-	-11.19	-14.72	-28.40
Macon, GA	PM _{2.5}	Nonattainment	100	-	-11.11	-14.60	-28.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.08	-0.11	-0.21
Madison, WI	SO _x	Maintenance	100	-	-3.91	-5.17	-10.35
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.23	-0.30	-0.59
Manchester, NH	CO	Maintenance	100	-	-0.24	-0.34	-0.82
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.72	-0.96	-2.06
Marion County, IN	SO _x	Maintenance	100	-	-9.60	-12.65	-24.73
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.13	-1.50	-3.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-12.55	-16.52	-32.06
Mason County, MI	Ozone	Maintenance	100	-	-0.79	-1.04	-2.02
Medford, OR	CO	Maintenance	100	-	-0.53	-0.71	-1.52
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.26	-1.70	-3.63
Memphis, TN-AR	Ozone	Maintenance	100	-	-29.11	-38.36	-75.09
Memphis, TN	CO	Maintenance	100	-	-18.96	-25.04	-49.64
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.57	-0.76	-1.50

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Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.13	-0.18	-0.35
Milwaukee, WI	SO _x	Maintenance	100	-	-8.50	-11.25	-22.58
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-25.18	-33.39	-67.40
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-95.33	-125.54	-244.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-70.33	-92.77	-182.31
Missoula, MT	CO	Maintenance	100	-	-5.63	-7.39	-14.15
Missoula, MT	PM ₁₀	Moderate	100	-	-5.45	-7.16	-13.71
Modesto, CA	CO	Maintenance	100	-	-5.75	-7.60	-15.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.77	-2.34	-4.66
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.09
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.17
Morristown, NJ	CO	Maintenance	100	-	-0.25	-0.34	-0.71
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.25	-1.64	-3.18
Muncie, IN	Ozone	Maintenance	100	-	-8.97	-11.78	-22.62
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.16	-0.21	-0.40
Muscatine County, IA	SO _x	Maintenance	100	-	-0.62	-0.82	-1.59
Muskegon, MI	Ozone	Maintenance	100	-	-4.71	-6.20	-12.05
Nashua, NH	CO	Maintenance	100	-	-0.19	-0.27	-0.65
Nashville, TN	Ozone	Former Subpart 1	50	-	-26.57	-35.17	-70.40
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.59	-2.12	-4.31
New Haven County, CT	PM ₁₀	Maintenance	100	-	-4.43	-5.83	-11.37
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-24.59	-32.39	-63.26
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.35	-0.45	-0.88
New York County, NY	PM ₁₀	Moderate	100	-	-47.13	-61.86	-118.39
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-197.73	-260.83	-512.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-290.26	-383.61	-761.67
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-283.17	-374.28	-743.70
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.71	-0.93	-1.86

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-40.40	-53.28	-104.67
Ogden, UT	CO	Maintenance	100	-	-0.71	-0.95	-1.97
Ogden, UT	PM ₁₀	Moderate	100	-	-0.71	-0.95	-1.97
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.10
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.58	-0.76	-1.49
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.75	-2.32	-4.63
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.07	-0.10	-0.19
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-5.92	-7.79	-15.11
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-6.28	-8.27	-16.02
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.38	-0.51	-1.00
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-0.84	-1.12	-2.35
Perth Amboy, NJ	CO	Maintenance	100	-	-1.84	-2.42	-4.77
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-5.25	-6.97	-14.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-132.21	-174.23	-340.67
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-155.11	-204.68	-403.20
Phoenix, AZ	CO	Maintenance	100	-	-32.11	-43.03	-91.67
Phoenix, AZ	PM ₁₀	Serious	70	-	-33.40	-44.76	-95.26
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-33.52	-44.92	-95.61
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.77	-1.01	-1.94
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.13
Pittsburgh, PA	CO	Maintenance	100	-	-0.58	-0.76	-1.49
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-48.28	-63.71	-125.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-40.78	-53.85	-106.37
Polk County, TN	SO _x	Maintenance	100	-	-1.04	-1.37	-2.64
Polson, MT	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.15
Portland, ME	Ozone	Maintenance	100	-	-9.86	-13.04	-26.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-16.26	-21.56	-43.56
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-2.19	-2.88	-5.57
Poughkeepsie, NY	Ozone	Moderate	50	-	-13.94	-18.56	-38.24
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.37	-0.48	-0.94
Providence (entire State), RI	Ozone	Moderate	50	-	-22.45	-29.63	-58.43
Provo, UT	CO	Maintenance	100	-	-2.39	-3.16	-6.36
Raleigh-Durham, NC	CO	Maintenance	100	-	-11.48	-15.32	-31.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-17.81	-23.71	-48.96
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.17
Reading, PA	Ozone	Maintenance	100	-	-5.77	-7.63	-15.24
Reading, PA	PM _{2.5}	Nonattainment	100	-	-5.77	-7.63	-15.24
Reno, NV	CO	Maintenance	100	-	-3.89	-5.15	-10.33
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.09
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-18.86	-24.98	-50.20
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.78	-1.03	-2.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.28	-3.12	-7.30
Roanoke, VA	Ozone	Former Subpart 1	50	-	-9.06	-11.93	-23.24
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-2.12	-2.80	-5.49
Rochester, NY	Ozone	Former Subpart 1	50	-	-18.34	-24.33	-49.22
Rocky Mount, NC	Ozone	Maintenance	100	-	-5.00	-6.60	-12.95
Rome, GA	PM _{2.5}	Nonattainment	100	-	-5.49	-7.22	-13.98
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.11	-0.14	-0.28
Sacramento County, CA	PM ₁₀	Moderate	100	-	-12.44	-16.62	-34.78
Sacramento Metro, CA	Ozone	Severe	25	-	-30.46	-40.47	-82.59
Sacramento, CA	CO	Maintenance	100	-	-13.93	-18.60	-38.91
Salem, OR	CO	Maintenance	100	-	-1.56	-2.07	-4.23
Salt Lake City, UT	CO	Maintenance	100	-	-3.36	-4.45	-8.93

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-11.23	-14.94	-30.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	-9.91	-13.21	-27.39
San Antonio, TX	Ozone	Former Subpart 1	50	-	-74.06	-97.45	-189.02
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-3.05	-4.09	-8.72
San Diego, CA	CO	Maintenance	100	-	-25.66	-34.51	-74.61
San Diego, CA	Ozone	Former Subpart 1	50	-	-25.71	-34.57	-74.74
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-132.53	-175.03	-346.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-137.39	-181.59	-360.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	-76.90	-101.72	-202.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-77.44	-102.43	-204.30
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-76.90	-101.72	-202.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.34	-0.46	-0.94
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.05	-0.06	-0.12
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-13.42	-17.74	-35.18
Seattle-Tacoma, WA	CO	Maintenance	100	-	-61.02	-80.60	-159.60
Sheboygan, WI	Ozone	Moderate	50	-	-2.03	-2.69	-5.36
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.77	-2.33	-4.46
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.12	-0.16	-0.34
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-9.46	-12.50	-24.74
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.99	-2.65	-5.45
Spokane County, WA	PM ₁₀	Maintenance	100	-	-8.00	-10.55	-20.68
Spokane, WA	CO	Maintenance	100	-	-7.92	-10.45	-20.47
Springfield (western MA), MA	Ozone	Moderate	50	-	-7.29	-9.74	-20.54
Springfield, MA	CO	Maintenance	100	-	-1.31	-1.75	-3.64
St. Louis, MO	CO	Maintenance	100	-	-45.44	-59.75	-115.49
St. Louis, MO-IL	Ozone	Moderate	50	-	-114.48	-150.66	-292.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-114.27	-150.39	-292.05

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.02	-1.38	-3.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.49	-0.65	-1.28
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-3.23	-4.24	-8.14
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-8.20	-10.77	-20.65
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-8.20	-10.77	-20.65
Stockton, CA	CO	Maintenance	100	-	-6.56	-8.69	-17.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-17.58	-23.15	-45.11
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-7.37	-9.68	-18.67
Tioga County, PA	Ozone	Maintenance	100	-	-0.66	-0.87	-1.79
Toledo, OH	Ozone	Maintenance	100	-	-21.93	-28.85	-56.00
Toms River, NJ	CO	Maintenance	100	-	-0.70	-0.94	-1.99
Tooele County, UT	SO _x	Nonattainment	100	-	-3.83	-5.04	-9.78
Trenton, NJ	CO	Maintenance	100	-	-0.83	-1.11	-2.31
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Tucson, AZ	CO	Maintenance	100	-	-16.21	-21.46	-42.92
Utah County, UT	PM ₁₀	Moderate	100	-	-7.18	-9.51	-19.12
Vancouver, WA	CO	Maintenance	100	-	-4.10	-5.43	-10.99
Ventura County, CA	Ozone	Serious	50	-	-6.26	-8.38	-17.74
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.72	-0.95	-1.82
Vigo County, IN	SO _x	Maintenance	100	-	-7.37	-9.68	-18.67
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.45	-0.60	-1.27
Warren County, NJ	SO _x	Maintenance	100	-	-0.30	-0.40	-0.85
Warren County, PA	SO _x	Nonattainment	100	-	-0.22	-0.29	-0.59
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-8.78	-11.55	-22.40
Washington, DC-MD-VA	CO	Maintenance	100	-	-11.33	-15.19	-32.40

Appendix B

Table B.1-193							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-46.32	-61.85	-129.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-43.27	-57.84	-121.60
Washoe County, NV	PM ₁₀	Serious	70	-	-3.89	-5.15	-10.33
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.26	-0.34	-0.66
Wayne County, IN	SO _x	Maintenance	100	-	-3.18	-4.18	-8.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	-6.29	-8.26	-15.82
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.55	-0.72	-1.39
Weirton, WV	SO _x	Maintenance	100	-	-0.72	-0.95	-1.84
Wheeling, WV-OH	Ozone	Maintenance	100	-	-7.96	-10.47	-20.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-7.96	-10.47	-20.21
Winston-Salem, NC	CO	Maintenance	100	-	-7.82	-10.34	-20.54
Worcester, MA	CO	Maintenance	100	-	-1.40	-1.88	-4.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	-3.50	-4.61	-8.96
Yakima, WA	CO	Maintenance	100	-	-1.40	-1.84	-3.58
York, PA	Ozone	Maintenance	100	-	-8.27	-10.93	-21.75
York, PA	PM _{2.5}	Nonattainment	100	-	-5.36	-7.10	-14.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-10.64	-14.09	-28.23
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.80	-5.02	-9.93

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.18	-0.26	-0.52
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.13	-0.19	-0.43
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.13	-0.20	-0.44
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-46.40	-69.50	-149.93
Albuquerque, NM	CO	Maintenance	100	-	-18.73	-28.12	-61.72
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.96	-11.84	-24.50
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-13.95	-21.10	-48.51
Altoona, PA	Ozone	Maintenance	100	-	-7.21	-10.70	-21.69
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.41	-2.23	-6.64
Anchorage, AK	CO	Maintenance	100	-	-12.47	-18.47	-36.96
Anthony, NM	PM ₁₀	Moderate	100	-	-0.62	-0.92	-1.85
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.19
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.57	-0.85	-1.71
Atlanta, GA	Ozone	Moderate	50	-	-224.02	-336.06	-732.51
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-224.36	-336.55	-733.50
Atlantic City, NJ	CO	Maintenance	100	-	-0.78	-1.19	-3.01
Bakersfield, CA	CO	Maintenance	100	-	-26.79	-39.83	-81.68
Baltimore, MD	CO	Maintenance	100	-	-0.57	-0.85	-1.75
Baltimore, MD	Ozone	Moderate	50	-	-51.07	-78.08	-191.10
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-51.06	-78.08	-191.10
Baton Rouge, LA	Ozone	Moderate	50	-	-117.80	-173.88	-338.86
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-196.06	-288.62	-550.96
Benton County, TN	SO _x	Maintenance	100	-	-0.23	-0.33	-0.64
Benton Harbor, MI	Ozone	Maintenance	100	-	-15.48	-22.93	-45.94
Benzie County, MI	Ozone	Maintenance	100	-	-1.53	-2.27	-4.62
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-10.32	-15.32	-31.07
Billings, MT	CO	Maintenance	100	-	-53.02	-78.01	-148.41
Birmingham, AL	Ozone	Maintenance	100	-	-33.70	-50.56	-110.28

Appendix B

Table B.1-194							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-33.91	-50.88	-110.94
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-29.33	-43.45	-86.81
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-29.33	-43.45	-86.81
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.28	-1.90	-3.84
Boston, MA	CO	Maintenance	100	-	-15.78	-24.05	-57.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-72.53	-111.76	-285.58
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-7.00	-10.94	-30.16
Boyd County (part), KY	SO _x	Maintenance	100	-	-3.12	-4.60	-8.83
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-31.76	-47.85	-107.20
Burlington, NJ	CO	Maintenance	100	-	-0.14	-0.21	-0.52
Butte, MT	PM ₁₀	Moderate	100	-	-4.43	-6.53	-12.64
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.99	-2.94	-5.84
Canton-Massillon, OH	Ozone	Maintenance	100	-	-23.22	-34.43	-69.32
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-23.22	-34.43	-69.32
Case County, MI	Ozone	Maintenance	100	-	-2.98	-4.42	-8.98
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.08	-0.12	-0.23
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.99	-1.46	-2.85
Charleston, WV	Ozone	Maintenance	100	-	-7.45	-11.23	-25.25
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-7.45	-11.23	-25.25
Charlotte, NC	CO	Maintenance	100	-	-16.34	-24.76	-57.51
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-60.23	-90.20	-194.40
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-54.61	-80.82	-160.63
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-49.99	-73.99	-147.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-186.91	-281.87	-635.44
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-197.54	-297.74	-668.94
Chico, CA	CO	Maintenance	100	-	-3.78	-5.67	-12.30
Chico, CA	Ozone	Former Subpart 1	50	-	-8.72	-13.07	-28.35
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-58.28	-87.66	-194.32

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**Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-54.26	-81.69	-182.21
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.70	-1.05	-2.18
Clark County, NV	PM ₁₀	Serious	70	-	-33.24	-50.38	-117.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-30.15	-44.58	-88.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-16.96	-25.12	-50.08
Cleveland, OH	CO	Maintenance	100	-	-31.29	-46.94	-102.30
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-62.94	-95.12	-217.19
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-57.80	-87.35	-199.60
Coachella Valley, CA	PM ₁₀	Serious	70	-	-4.23	-6.86	-22.29
Colbert County, AL	SO _x	Maintenance	100	-	-5.16	-7.64	-15.30
Colorado Springs, CO	CO	Maintenance	100	-	-37.15	-55.20	-112.89
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.55	-0.82	-1.63
Columbia, SC	Ozone	Former Subpart 1	50	-	-60.13	-89.05	-177.70
Columbus, OH	Ozone	Maintenance	100	-	-65.36	-97.77	-209.21
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-56.01	-83.91	-181.25
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.10	-0.15	-0.33
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-31.29	-46.94	-102.30
Cuyahoga County, OH	SO _x	Maintenance	100	-	-25.59	-38.38	-83.65
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-212.65	-319.62	-705.50
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-28.93	-43.37	-94.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-25.07	-37.60	-81.78
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-56.76	-86.45	-206.84
Denver-Boulder, CO	CO	Maintenance	100	-	-55.56	-84.55	-201.37
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-100.89	-151.93	-339.49
Detroit, MI	CO	Maintenance	100	-	-65.18	-97.41	-207.17
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-160.64	-240.80	-522.31
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-153.80	-230.66	-501.90

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Table B.1-194							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.41	-0.64	-1.76
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.17	-1.76	-3.84
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.93	-1.39	-3.04
Duluth, MN	CO	Maintenance	100	-	-6.77	-10.03	-20.13
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.75	-1.11	-2.23
East Chicago, IN	CO	Maintenance	100	-	-0.07	-0.10	-0.21
East Chicago, IN	PM ₁₀	Maintenance	100	-	-39.39	-58.11	-112.74
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.09	-0.13	-0.26
El Paso County, TX	PM ₁₀	Moderate	100	-	-24.44	-36.42	-75.88
El Paso, TX	CO	Maintenance	100	-	-1.29	-1.93	-4.11
Erie, PA	Ozone	Maintenance	100	-	-7.38	-11.07	-24.23
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.09
Eugene-Springfield, OR	CO	Maintenance	100	-	-18.77	-27.82	-55.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-17.93	-26.59	-53.43
Evansville, IN	Ozone	Maintenance	100	-	-12.31	-18.34	-38.34
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-20.39	-30.30	-61.99
Fairbanks, AK	CO	Maintenance	100	-	-2.51	-3.71	-7.26
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-6.54	-9.91	-23.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.72	-1.07	-2.13
Flint, MI	Ozone	Maintenance	100	-	-15.40	-23.16	-51.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.11	-0.16	-0.32
Fort Collins, CO	CO	Maintenance	100	-	-8.65	-12.89	-26.93
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.20
Fort Wayne, IN	Ozone	Maintenance	100	-	-34.71	-51.39	-102.39
Franklin County, PA	Ozone	Maintenance	100	-	-12.26	-18.18	-36.56
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.07	-0.10	-0.21
Frederick County, VA	Ozone	Former Subpart 1	50	-	-19.45	-28.73	-56.17
Fredericksburg, VA	Ozone	Maintenance	100	-	-19.79	-29.51	-61.80

Appendix B

Table B.1-194							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.25	-0.38	-0.98
Fresno, CA	CO	Maintenance	100	-	-11.20	-17.06	-40.83
Grand Rapids, MI	Ozone	Maintenance	100	-	-33.96	-50.74	-107.69
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.79	-4.14	-8.41
Grant County, NM	SO _x	Maintenance	100	-	-0.35	-0.51	-1.00
Grants Pass, OR	CO	Maintenance	100	-	-0.04	-0.05	-0.11
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.70	-4.01	-8.05
Great Falls, MT	CO	Maintenance	100	-	-2.59	-3.83	-7.52
Greater Connecticut, CT	Ozone	Moderate	50	-	-40.32	-60.93	-139.05
Greeley, CO	CO	Maintenance	100	-	-12.50	-18.49	-36.73
Green Bay, WI	SO _x	Maintenance	100	-	-4.55	-6.81	-14.66
Greene County, IN	Ozone	Maintenance	100	-	-7.72	-11.40	-22.24
Greene County, PA	Ozone	Maintenance	100	-	-5.34	-7.89	-15.57
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-56.05	-84.03	-182.38
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-25.35	-38.07	-83.60
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-98.97	-146.39	-289.59
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.62	-0.94	-2.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-5.11	-7.63	-16.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-21.07	-31.83	-72.61
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-20.70	-31.22	-70.50
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-22.20	-33.70	-79.16
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.25	-0.37	-0.85
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.31	-1.96	-4.27
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.09	-0.13	-0.33
Hazelwood, PA	SO _x	Maintenance	100	-	-2.03	-3.03	-6.31
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-5.57	-8.36	-18.39
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-9.90	-14.84	-32.31
Hollis Township, IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.15

Appendix B

Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-745.13	-1,101.01	-2,161.80
Humphreys County, TN	SO _x	Maintenance	100	-	-0.33	-0.49	-0.96
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-81.76	-120.49	-232.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-67.09	-98.79	-188.99
Huron County, MI	Ozone	Maintenance	100	-	-2.01	-2.98	-6.05
Imperial County, CA	Ozone	Moderate	50	-	-5.87	-8.86	-19.93
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.74	-8.65	-19.47
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.66	-2.47	-5.16
Indianapolis, IN	CO	Maintenance	100	-	-0.06	-0.09	-0.18
Indianapolis, IN	Ozone	Maintenance	100	-	-81.29	-121.52	-258.77
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-62.16	-92.98	-198.80
Jackson County, IN	Ozone	Maintenance	100	-	-12.12	-17.89	-34.95
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.72	-10.04	-21.23
Jefferson County, NY	Ozone	Moderate	50	-	-2.72	-4.12	-9.58
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.14	-1.68	-3.28
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-28.31	-41.84	-82.19
Johnstown, PA	Ozone	Maintenance	100	-	-5.99	-8.90	-18.29
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-7.86	-11.67	-23.65
Juneau, AK	PM ₁₀	Moderate	100	-	-1.96	-2.89	-5.61
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-27.59	-41.07	-84.93
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.96	-4.39	-8.72
Kansas City, MO-KS	Ozone	Maintenance	100	-	-117.64	-174.60	-354.12
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.56	-0.97	-3.92
Kent, WA	PM ₁₀	Maintenance	100	-	-1.08	-1.61	-3.41
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-4.10	-6.11	-12.74
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.79	-1.18	-2.59
King County, WA	PM ₁₀	Maintenance	100	-	-0.44	-0.66	-1.40
Klamath Falls, OR	CO	Maintenance	100	-	-4.88	-7.22	-14.36

Appendix B

Table B.1-194							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.88	-7.22	-14.36
Knoxville, TN	Ozone	Former Subpart 1	50	-	-107.80	-159.67	-318.94
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-88.93	-131.65	-262.09
La Porte County, IN	SO _x	Maintenance	100	-	-3.48	-5.15	-10.23
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.84	-2.72	-5.35
Lake County, IN	SO _x	Maintenance	100	-	-19.65	-29.18	-59.56
Lake County, OH	SO _x	Maintenance	100	-	-0.56	-0.86	-2.14
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.65	-0.96	-1.91
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.22	-0.36	-1.10
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.55	-0.87	-2.56
Lake Tahoe, NV	CO	Maintenance	100	-	-0.50	-0.76	-1.73
Lamar, CO	PM ₁₀	Maintenance	100	-	-2.13	-3.14	-6.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.15
Lancaster, PA	Ozone	Maintenance	100	-	-6.72	-10.33	-26.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-6.72	-10.33	-26.08
Lane County, OR	PM ₁₀	Moderate	100	-	-0.12	-0.17	-0.35
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-9.07	-13.81	-33.04
LaPorte, IN	Ozone	Maintenance	100	-	-9.73	-14.40	-28.62
Las Vegas, NV	CO	Serious	100	-	-33.24	-50.38	-117.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-33.74	-51.13	-118.82
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.55	-2.36	-5.74
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.16	-0.24	-0.48
Libby, MT	PM ₁₀	Moderate	100	-	-0.26	-0.39	-0.79
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.35	-0.52	-1.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.70	-1.05	-2.18
Lima, OH	Ozone	Maintenance	100	-	-22.11	-32.61	-63.19
Longmont, CO	CO	Maintenance	100	-	-0.86	-1.35	-3.88
Lorain County, OH	SO _x	Maintenance	100	-	-0.98	-1.49	-3.48

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Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-353.32	-534.75	-1,232.79
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-353.32	-534.75	-1,232.79
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-353.32	-534.75	-1,232.79
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-353.32	-534.76	-1,232.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-353.30	-534.73	-1,232.73
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-12.03	-18.38	-44.79
Louisville, KY-IN	Ozone	Maintenance	100	-	-36.44	-54.71	-119.77
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-36.76	-55.13	-120.04
Lowell, MA	CO	Maintenance	100	-	-1.75	-2.69	-6.73
Lucas County, OH	SO _x	Maintenance	100	-	-9.46	-14.21	-31.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.33	-2.02	-4.73
Macon, GA	Ozone	Maintenance	100	-	-21.75	-32.18	-63.83
Macon, GA	PM _{2.5}	Nonattainment	100	-	-21.58	-31.92	-63.32
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.16	-0.24	-0.50
Madison, WI	SO _x	Maintenance	100	-	-7.58	-11.39	-25.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.45	-0.67	-1.40
Manchester, NH	CO	Maintenance	100	-	-0.46	-0.75	-2.54
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.39	-2.14	-5.53
Marion County, IN	SO _x	Maintenance	100	-	-18.62	-27.69	-56.85
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.15	-3.28	-7.83
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-24.35	-36.11	-72.87
Mason County, MI	Ozone	Maintenance	100	-	-1.52	-2.27	-4.66
Medford, OR	CO	Maintenance	100	-	-1.02	-1.57	-4.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.42	-3.75	-9.80
Memphis, TN-AR	Ozone	Maintenance	100	-	-56.51	-84.07	-173.34
Memphis, TN	CO	Maintenance	100	-	-36.79	-55.00	-117.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.11	-1.66	-3.57

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Table B.1-194							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.25	-0.38	-0.79
Milwaukee, WI	SO _x	Maintenance	100	-	-16.66	-25.02	-54.95
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-48.71	-73.40	-164.59
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-184.78	-274.53	-560.59
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-136.22	-203.06	-424.42
Missoula, MT	CO	Maintenance	100	-	-10.89	-16.07	-31.25
Missoula, MT	PM ₁₀	Moderate	100	-	-10.55	-15.57	-30.28
Modesto, CA	CO	Maintenance	100	-	-11.03	-16.53	-35.74
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.42	-5.13	-11.21
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.21
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.12	-0.18	-0.39
Morristown, NJ	CO	Maintenance	100	-	-0.50	-0.77	-1.93
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.42	-3.59	-7.21
Muncie, IN	Ozone	Maintenance	100	-	-17.43	-25.74	-50.31
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.31	-0.46	-0.94
Muscatine County, IA	SO _x	Maintenance	100	-	-1.22	-1.81	-3.63
Muskegon, MI	Ozone	Maintenance	100	-	-9.13	-13.55	-27.48
Nashua, NH	CO	Maintenance	100	-	-0.36	-0.60	-2.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-51.34	-77.12	-169.55
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-3.03	-4.60	-10.75
New Haven County, CT	PM ₁₀	Maintenance	100	-	-8.89	-13.21	-26.99
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-47.70	-70.90	-145.38
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.68	-1.00	-1.98
New York County, NY	PM ₁₀	Moderate	100	-	-91.54	-135.03	-261.70
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-383.61	-571.78	-1,194.05
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-562.40	-841.68	-1,806.35
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-548.63	-821.31	-1,766.05
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.36	-2.04	-4.45

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Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-78.34	-116.75	-243.44
Ogden, UT	CO	Maintenance	100	-	-1.38	-2.10	-5.00
Ogden, UT	PM ₁₀	Moderate	100	-	-1.38	-2.10	-5.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.07	-0.10	-0.23
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-1.07	-1.59	-3.31
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-3.36	-5.05	-11.10
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.14	-0.22	-0.46
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-11.49	-17.04	-34.30
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-12.21	-18.09	-36.30
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.74	-1.10	-2.36
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.63	-2.49	-6.16
Perth Amboy, NJ	CO	Maintenance	100	-	-3.67	-5.47	-11.48
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-10.20	-15.39	-34.75
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-256.48	-381.49	-785.25
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-300.74	-448.65	-942.43
Phoenix, AZ	CO	Maintenance	100	-	-60.57	-93.78	-245.84
Phoenix, AZ	PM ₁₀	Serious	70	-	-63.03	-97.54	-255.05
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-63.25	-97.88	-255.92
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.48	-2.18	-4.28
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.10	-0.15	-0.29
Pittsburgh, PA	CO	Maintenance	100	-	-1.17	-1.75	-3.64
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-93.68	-139.73	-293.11
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-79.14	-118.18	-249.89
Polk County, TN	SO _x	Maintenance	100	-	-2.02	-2.99	-5.95
Polson, MT	PM ₁₀	Moderate	100	-	-0.12	-0.18	-0.37
Portland, ME	Ozone	Maintenance	100	-	-19.08	-28.61	-62.21

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Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-31.48	-47.45	-106.51
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-4.24	-6.28	-12.50
Poughkeepsie, NY	Ozone	Moderate	50	-	-26.77	-40.73	-96.85
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.72	-1.07	-2.15
Providence (entire State), RI	Ozone	Moderate	50	-	-43.47	-64.89	-136.92
Provo, UT	CO	Maintenance	100	-	-4.65	-7.00	-15.60
Raleigh-Durham, NC	CO	Maintenance	100	-	-22.04	-33.71	-82.69
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-34.24	-52.12	-124.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.38
Reading, PA	Ozone	Maintenance	100	-	-11.18	-16.77	-36.52
Reading, PA	PM _{2.5}	Nonattainment	100	-	-11.18	-16.77	-36.52
Reno, NV	CO	Maintenance	100	-	-7.50	-11.28	-24.86
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.07	-0.10	-0.20
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-36.52	-54.92	-121.58
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.54	-2.31	-5.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-4.23	-6.86	-22.29
Roanoke, VA	Ozone	Former Subpart 1	50	-	-17.59	-26.12	-53.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-4.07	-6.07	-12.63
Rochester, NY	Ozone	Former Subpart 1	50	-	-35.51	-53.55	-120.64
Rocky Mount, NC	Ozone	Maintenance	100	-	-9.71	-14.47	-30.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-10.66	-15.79	-31.58
Ronan, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.15
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.21	-0.31	-0.62
Sacramento County, CA	PM ₁₀	Moderate	100	-	-23.72	-36.38	-90.53
Sacramento Metro, CA	Ozone	Severe	25	-	-58.25	-88.33	-206.07
Sacramento, CA	CO	Maintenance	100	-	-26.46	-40.57	-100.98
Salem, OR	CO	Maintenance	100	-	-3.00	-4.54	-10.49
Salt Lake City, UT	CO	Maintenance	100	-	-6.51	-9.79	-21.58

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Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-21.67	-32.90	-77.14
Salt Lake County, UT	SO _x	Nonattainment	100	-	-19.10	-29.11	-70.00
San Antonio, TX	Ozone	Former Subpart 1	50	-	-143.57	-212.92	-429.27
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.70	-8.82	-22.92
San Diego, CA	CO	Maintenance	100	-	-48.76	-75.86	-203.88
San Diego, CA	Ozone	Former Subpart 1	50	-	-48.85	-76.00	-204.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-256.19	-383.04	-816.87
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-265.50	-397.58	-856.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	-148.40	-222.72	-487.05
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-149.34	-224.13	-489.98
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-148.40	-222.72	-487.05
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.67	-1.02	-2.41
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.10	-0.14	-0.28
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-26.02	-38.92	-83.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	-117.86	-176.26	-376.49
Sheboygan, WI	Ozone	Moderate	50	-	-3.93	-5.89	-12.86
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.39	-5.01	-9.79
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.23	-0.35	-0.92
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-18.34	-27.41	-58.35
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.76	-5.70	-13.30
Spokane County, WA	PM ₁₀	Maintenance	100	-	-15.44	-22.99	-47.76
Spokane, WA	CO	Maintenance	100	-	-15.28	-22.76	-47.27
Springfield (western MA), MA	Ozone	Moderate	50	-	-14.08	-21.59	-53.78
Springfield, MA	CO	Maintenance	100	-	-2.59	-3.95	-9.55
St. Louis, MO	CO	Maintenance	100	-	-88.41	-130.88	-260.57
St. Louis, MO-IL	Ozone	Moderate	50	-	-222.24	-329.67	-665.81
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-221.84	-329.06	-664.37

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Volatile Organic Compounds (VOCs) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.96	-3.05	-8.25
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.97	-1.44	-2.99
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-6.27	-9.26	-18.11
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-15.93	-23.52	-45.83
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-15.93	-23.52	-45.83
Stockton, CA	CO	Maintenance	100	-	-12.70	-19.14	-42.93
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-34.13	-50.69	-103.23
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.13
Terre Haute, IN	Ozone	Maintenance	100	-	-14.31	-21.17	-41.91
Tioga County, PA	Ozone	Maintenance	100	-	-1.28	-1.93	-4.47
Toledo, OH	Ozone	Maintenance	100	-	-42.57	-63.13	-127.24
Toms River, NJ	CO	Maintenance	100	-	-1.36	-2.10	-5.41
Tooele County, UT	SO _x	Nonattainment	100	-	-7.42	-11.01	-22.27
Trenton, NJ	CO	Maintenance	100	-	-1.63	-2.49	-5.99
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.17
Tucson, AZ	CO	Maintenance	100	-	-31.31	-47.02	-103.30
Utah County, UT	PM ₁₀	Moderate	100	-	-13.84	-20.84	-46.43
Vancouver, WA	CO	Maintenance	100	-	-7.83	-11.82	-26.86
Ventura County, CA	Ozone	Serious	50	-	-11.93	-18.39	-46.99
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.40	-2.07	-4.01
Vigo County, IN	SO _x	Maintenance	100	-	-14.31	-21.17	-41.91
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.87	-1.33	-3.34
Warren County, NJ	SO _x	Maintenance	100	-	-0.58	-0.89	-2.21
Warren County, PA	SO _x	Nonattainment	100	-	-0.42	-0.64	-1.41
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-17.04	-25.26	-50.81
Washington, DC-MD-VA	CO	Maintenance	100	-	-22.00	-33.92	-86.87

Appendix B

**Table B.1-194
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-89.02	-136.28	-336.09
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-83.13	-127.51	-317.88
Washoe County, NV	PM ₁₀	Serious	70	-	-7.50	-11.28	-24.86
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.51	-0.75	-1.48
Wayne County, IN	SO _x	Maintenance	100	-	-6.19	-9.18	-18.38
Wayne County, MI	PM ₁₀	Maintenance	100	-	-12.37	-18.25	-35.55
Weirton, WV	PM ₁₀	Maintenance	100	-	-1.06	-1.56	-3.09
Weirton, WV	SO _x	Maintenance	100	-	-1.40	-2.07	-4.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	-15.47	-22.90	-45.42
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-15.47	-22.90	-45.42
Winston-Salem, NC	CO	Maintenance	100	-	-15.14	-22.67	-48.81
Worcester, MA	CO	Maintenance	100	-	-2.70	-4.19	-11.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.74	-10.01	-20.25
Yakima, WA	CO	Maintenance	100	-	-2.77	-4.12	-8.33
York, PA	Ozone	Maintenance	100	-	-16.00	-23.97	-51.76
York, PA	PM _{2.5}	Nonattainment	100	-	-10.37	-15.59	-34.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-20.68	-31.04	-67.93
Yuma, AZ	PM ₁₀	Moderate	100	-	-7.33	-10.96	-23.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.50	-0.76	-1.55
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.34	-0.57	-1.60
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.36	-0.59	-1.66
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-130.93	-212.70	-555.88
Albuquerque, NM	CO	Maintenance	100	-	-52.55	-86.30	-235.49
Allegan County, MI	Ozone	Former Subpart 1	50	-	-22.72	-35.99	-84.26
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-38.19	-65.00	-201.44
Altoona, PA	Ozone	Maintenance	100	-	-21.05	-32.67	-69.15
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.57	-6.59	-42.83
Anchorage, AK	CO	Maintenance	100	-	-35.07	-54.36	-114.22
Anthony, NM	PM ₁₀	Moderate	100	-	-1.72	-2.67	-5.58
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.10	-0.21	-1.11
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.66	-2.57	-5.44
Atlanta, GA	Ozone	Moderate	50	-	-623.67	-1,025.48	-2,810.80
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-624.46	-1,026.69	-2,813.29
Atlantic City, NJ	CO	Maintenance	100	-	-2.01	-3.67	-13.90
Bakersfield, CA	CO	Maintenance	100	-	-73.59	-116.12	-266.94
Baltimore, MD	CO	Maintenance	100	-	-1.81	-2.83	-6.22
Baltimore, MD	Ozone	Moderate	50	-	-133.52	-240.92	-884.87
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-133.52	-240.92	-884.86
Baton Rouge, LA	Ozone	Moderate	50	-	-347.28	-527.53	-989.24
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-582.97	-874.39	-1,512.66
Benton County, TN	SO _x	Maintenance	100	-	-0.63	-0.96	-1.76
Benton Harbor, MI	Ozone	Maintenance	100	-	-45.43	-69.96	-142.02
Benzie County, MI	Ozone	Maintenance	100	-	-4.37	-6.87	-15.47
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-29.85	-46.57	-101.25
Billings, MT	CO	Maintenance	100	-	-158.08	-236.68	-404.63
Birmingham, AL	Ozone	Maintenance	100	-	-95.32	-155.43	-412.30

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-95.97	-156.44	-414.51
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-85.40	-131.96	-272.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-85.40	-131.96	-272.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.89	-6.06	-12.99
Boston, MA	CO	Maintenance	100	-	-43.20	-75.80	-257.89
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-186.60	-347.88	-1,384.77
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-16.66	-33.95	-161.94
Boyd County (part), KY	SO _x	Maintenance	100	-	-9.79	-14.72	-25.88
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-88.66	-147.46	-421.70
Burlington, NJ	CO	Maintenance	100	-	-0.31	-0.55	-1.97
Butte, MT	PM ₁₀	Moderate	100	-	-13.12	-19.81	-35.82
Canon City, CO	PM ₁₀	Maintenance	100	-	-6.04	-9.30	-18.81
Canton-Massillon, OH	Ozone	Maintenance	100	-	-67.84	-104.95	-218.34
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-67.84	-104.95	-218.34
Case County, MI	Ozone	Maintenance	100	-	-8.65	-13.47	-29.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.25	-0.39	-0.76
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.94	-4.46	-8.29
Charleston, WV	Ozone	Maintenance	100	-	-21.04	-34.83	-97.83
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-21.04	-34.83	-97.83
Charlotte, NC	CO	Maintenance	100	-	-43.72	-75.78	-248.53
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-168.92	-275.24	-728.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-160.04	-245.85	-492.12
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-146.44	-224.97	-450.66
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-513.98	-864.51	-2,573.38
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-544.23	-912.95	-2,692.38
Chico, CA	CO	Maintenance	100	-	-10.89	-18.01	-50.40
Chico, CA	Ozone	Former Subpart 1	50	-	-23.93	-39.57	-110.76
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-162.42	-269.02	-757.94

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-150.82	-250.90	-718.24
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.91	-3.01	-6.92
Clark County, NV	PM ₁₀	Serious	70	-	-87.93	-153.77	-518.04
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-88.26	-135.27	-267.34
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-49.67	-76.43	-154.55
Cleveland, OH	CO	Maintenance	100	-	-89.57	-145.05	-374.28
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-174.47	-293.97	-880.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-160.34	-270.14	-808.59
Coachella Valley, CA	PM ₁₀	Serious	70	-	-7.18	-20.78	-151.18
Colbert County, AL	SO _x	Maintenance	100	-	-15.15	-23.31	-47.18
Colorado Springs, CO	CO	Maintenance	100	-	-106.88	-167.99	-379.13
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.63	-2.52	-5.13
Columbia, SC	Ozone	Former Subpart 1	50	-	-175.73	-270.87	-552.60
Columbus, OH	Ozone	Maintenance	100	-	-183.56	-297.84	-774.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-156.43	-255.70	-684.92
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.26	-0.43	-1.16
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.14
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-89.57	-145.06	-374.29
Cuyahoga County, OH	SO _x	Maintenance	100	-	-74.48	-120.62	-311.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-584.45	-973.53	-2,800.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-82.26	-133.43	-346.53
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-71.25	-115.73	-302.27
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-148.75	-264.91	-939.71
Denver-Boulder, CO	CO	Maintenance	100	-	-146.00	-258.92	-907.87
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-276.17	-463.81	-1,373.33
Detroit, MI	CO	Maintenance	100	-	-178.57	-285.80	-701.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-453.12	-738.09	-1,949.92
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-433.21	-707.23	-1,885.11

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.99	-2.00	-9.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-3.03	-4.98	-13.68
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-2.44	-4.02	-11.03
Duluth, MN	CO	Maintenance	100	-	-20.10	-31.01	-63.51
Eagle River, AK	PM ₁₀	Moderate	100	-	-2.18	-3.37	-7.08
East Chicago, IN	CO	Maintenance	100	-	-0.19	-0.30	-0.65
East Chicago, IN	PM ₁₀	Maintenance	100	-	-116.46	-176.30	-323.68
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.26	-0.40	-0.82
El Paso County, TX	PM ₁₀	Moderate	100	-	-68.37	-108.73	-259.21
El Paso, TX	CO	Maintenance	100	-	-3.42	-5.52	-14.05
Erie, PA	Ozone	Maintenance	100	-	-20.88	-34.09	-90.83
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.06	-0.12	-0.46
Eugene-Springfield, OR	CO	Maintenance	100	-	-55.78	-86.37	-180.66
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-53.45	-82.76	-173.12
Evansville, IN	Ozone	Maintenance	100	-	-35.33	-56.06	-132.28
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-58.59	-91.67	-202.23
Fairbanks, AK	CO	Maintenance	100	-	-7.20	-11.00	-21.21
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-17.83	-30.59	-97.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-2.13	-3.28	-6.67
Flint, MI	Ozone	Maintenance	100	-	-43.24	-71.30	-197.54
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.29	-0.45	-0.89
Fort Collins, CO	CO	Maintenance	100	-	-24.38	-38.96	-94.98
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.20	-0.30	-0.60
Fort Wayne, IN	Ozone	Maintenance	100	-	-101.46	-156.22	-316.90
Franklin County, PA	Ozone	Maintenance	100	-	-35.65	-55.27	-116.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.20	-0.31	-0.63
Frederick County, VA	Ozone	Former Subpart 1	50	-	-57.27	-87.17	-165.45
Fredericksburg, VA	Ozone	Maintenance	100	-	-55.90	-89.55	-220.66

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.72	-1.34	-5.32
Fresno, CA	CO	Maintenance	100	-	-27.72	-49.89	-182.02
Grand Rapids, MI	Ozone	Maintenance	100	-	-96.07	-154.71	-389.81
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-7.68	-11.96	-25.74
Grant County, NM	SO _x	Maintenance	100	-	-0.97	-1.48	-2.83
Grants Pass, OR	CO	Maintenance	100	-	-0.11	-0.17	-0.36
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-8.06	-12.50	-26.41
Great Falls, MT	CO	Maintenance	100	-	-7.45	-11.34	-21.56
Greater Connecticut, CT	Ozone	Moderate	50	-	-111.74	-188.25	-563.46
Greeley, CO	CO	Maintenance	100	-	-36.87	-56.73	-114.58
Green Bay, WI	SO _x	Maintenance	100	-	-12.36	-20.11	-53.02
Greene County, IN	Ozone	Maintenance	100	-	-22.76	-34.60	-65.08
Greene County, PA	Ozone	Maintenance	100	-	-15.69	-23.99	-46.70
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-158.37	-257.80	-679.33
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-71.38	-117.04	-317.37
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-290.73	-445.19	-875.26
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.78	-2.96	-8.38
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-14.53	-23.23	-56.76
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-57.42	-97.62	-301.25
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-56.75	-95.68	-287.21
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-60.80	-104.48	-333.73
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.69	-1.17	-3.66
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-3.72	-6.12	-16.95
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.26	-0.45	-1.52
Hazelwood, PA	SO _x	Maintenance	100	-	-6.17	-9.73	-22.35
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-15.77	-25.79	-69.28
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-28.12	-45.76	-120.42
Hollis Township, IL	SO _x	Maintenance	100	-	-0.10	-0.19	-0.66

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-2,187.27	-3,340.18	-6,463.76
Humphreys County, TN	SO _x	Maintenance	100	-	-0.99	-1.51	-2.95
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-242.50	-365.45	-652.05
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-199.48	-299.45	-520.96
Huron County, MI	Ozone	Maintenance	100	-	-5.86	-9.10	-19.37
Imperial County, CA	Ozone	Moderate	50	-	-15.86	-26.93	-82.77
Imperial Valley, CA	PM ₁₀	Serious	70	-	-15.51	-26.35	-81.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-4.02	-6.43	-15.73
Indianapolis, IN	CO	Maintenance	100	-	-0.15	-0.24	-0.53
Indianapolis, IN	Ozone	Maintenance	100	-	-229.93	-370.85	-940.65
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-175.40	-283.78	-729.27
Jackson County, IN	Ozone	Maintenance	100	-	-35.73	-54.32	-102.38
Jamestown, NY	Ozone	Former Subpart 1	50	-	-19.25	-30.74	-74.80
Jefferson County, NY	Ozone	Moderate	50	-	-7.43	-12.72	-40.24
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-3.21	-4.87	-9.15
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-83.39	-127.15	-243.91
Johnstown, PA	Ozone	Maintenance	100	-	-17.55	-27.33	-58.94
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-22.78	-35.26	-73.47
Juneau, AK	PM ₁₀	Moderate	100	-	-5.97	-9.07	-17.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-79.65	-125.43	-285.67
Kalispell, MT	PM ₁₀	Moderate	100	-	-8.64	-13.31	-27.12
Kansas City, MO-KS	Ozone	Maintenance	100	-	-340.37	-530.87	-1,152.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.75	-3.14	-28.65
Kent, WA	PM ₁₀	Maintenance	100	-	-3.24	-5.20	-12.94
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-10.23	-16.35	-39.99
Kewaunee County, WI	Ozone	Maintenance	100	-	-2.22	-3.63	-9.76
King County, WA	PM ₁₀	Maintenance	100	-	-1.28	-2.06	-5.12
Klamath Falls, OR	CO	Maintenance	100	-	-14.34	-22.02	-44.06

Appendix B

Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-14.34	-22.02	-44.06
Knoxville, TN	Ozone	Former Subpart 1	50	-	-313.35	-484.42	-1,004.08
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-259.14	-399.50	-815.71
La Porte County, IN	SO _x	Maintenance	100	-	-10.27	-15.75	-31.22
LaGrande, OR	PM ₁₀	Maintenance	100	-	-5.65	-8.62	-16.65
Lake County, IN	SO _x	Maintenance	100	-	-56.16	-87.62	-190.53
Lake County, OH	SO _x	Maintenance	100	-	-1.49	-2.70	-9.90
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.95	-2.99	-5.86
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.39	-1.07	-7.48
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-1.09	-2.70	-16.98
Lake Tahoe, NV	CO	Maintenance	100	-	-1.32	-2.23	-6.86
Lamar, CO	PM ₁₀	Maintenance	100	-	-6.38	-9.62	-17.32
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.12	-0.20	-0.53
Lancaster, PA	Ozone	Maintenance	100	-	-17.35	-32.07	-124.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-17.35	-32.07	-124.98
Lane County, OR	PM ₁₀	Moderate	100	-	-0.30	-0.46	-0.97
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-24.38	-42.77	-145.49
LaPorte, IN	Ozone	Maintenance	100	-	-28.61	-43.87	-87.00
Las Vegas, NV	CO	Serious	100	-	-87.93	-153.77	-518.04
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-89.01	-155.67	-524.44
Lauderdale County, AL	SO _x	Maintenance	100	-	-4.20	-7.39	-25.29
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.47	-0.72	-1.46
Libby, MT	PM ₁₀	Moderate	100	-	-0.76	-1.19	-2.61
Libby, MT	PM _{2.5}	Nonattainment	100	-	-1.02	-1.59	-3.48
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.91	-3.01	-6.92
Lima, OH	Ozone	Maintenance	100	-	-65.42	-98.96	-180.79
Longmont, CO	CO	Maintenance	100	-	-2.01	-4.36	-23.03
Lorain County, OH	SO _x	Maintenance	100	-	-2.72	-4.68	-14.95

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Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-951.75	-1,636.75	-5,240.66
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-951.75	-1,636.75	-5,240.65
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-951.75	-1,636.75	-5,240.65
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-951.77	-1,636.77	-5,240.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-951.70	-1,636.67	-5,240.40
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-31.67	-57.18	-210.31
Louisville, KY-IN	Ozone	Maintenance	100	-	-102.81	-168.17	-451.79
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-103.96	-169.28	-446.52
Lowell, MA	CO	Maintenance	100	-	-4.98	-9.02	-33.51
Lucas County, OH	SO _x	Maintenance	100	-	-26.82	-43.77	-116.49
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-3.65	-6.22	-19.48
Macon, GA	Ozone	Maintenance	100	-	-63.97	-98.01	-193.17
Macon, GA	PM _{2.5}	Nonattainment	100	-	-63.47	-97.23	-191.53
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.47	-0.74	-1.64
Madison, WI	SO _x	Maintenance	100	-	-21.24	-35.29	-100.62
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.31	-2.12	-5.43
Manchester, NH	CO	Maintenance	100	-	-0.85	-2.23	-14.89
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-3.65	-6.75	-26.44
Marion County, IN	SO _x	Maintenance	100	-	-53.81	-84.23	-186.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-5.45	-9.90	-36.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-70.82	-109.92	-232.64
Mason County, MI	Ozone	Maintenance	100	-	-4.39	-6.90	-15.66
Medford, OR	CO	Maintenance	100	-	-2.48	-4.88	-21.69
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-5.96	-11.70	-52.03
Memphis, TN-AR	Ozone	Maintenance	100	-	-163.86	-257.11	-575.23
Memphis, TN	CO	Maintenance	100	-	-105.34	-168.86	-417.33
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-3.13	-5.11	-13.53

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Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.67	-1.07	-2.52
Milwaukee, WI	SO _x	Maintenance	100	-	-48.95	-79.80	-211.45
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-134.89	-225.45	-656.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-533.46	-835.61	-1,854.17
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-388.89	-618.92	-1,480.87
Missoula, MT	CO	Maintenance	100	-	-31.82	-48.29	-90.12
Missoula, MT	PM ₁₀	Moderate	100	-	-30.80	-46.75	-87.24
Modesto, CA	CO	Maintenance	100	-	-29.91	-49.35	-137.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-9.53	-15.82	-44.94
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.18	-0.30	-0.76
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.35	-0.57	-1.44
Morristown, NJ	CO	Maintenance	100	-	-1.46	-2.66	-10.12
Muhlenberg County, KY	SO _x	Maintenance	100	-	-7.10	-10.95	-22.46
Muncie, IN	Ozone	Maintenance	100	-	-51.57	-78.29	-146.32
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.98	-1.52	-3.29
Muscatine County, IA	SO _x	Maintenance	100	-	-3.68	-5.70	-11.87
Muskegon, MI	Ozone	Maintenance	100	-	-26.48	-41.25	-88.93
Nashua, NH	CO	Maintenance	100	-	-0.68	-1.79	-11.99
Nashville, TN	Ozone	Former Subpart 1	50	-	-142.56	-235.68	-659.42
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-7.65	-13.75	-50.06
New Haven County, CT	PM ₁₀	Maintenance	100	-	-28.91	-45.14	-98.55
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-138.09	-216.15	-477.95
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-2.10	-3.20	-6.19
New York County, NY	PM ₁₀	Moderate	100	-	-270.98	-409.77	-747.20
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1,103.88	-1,749.53	-4,107.06
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,594.53	-2,577.55	-6,599.99
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,554.28	-2,515.75	-6,476.75
Nogales, AZ	PM ₁₀	Moderate	100	-	-3.75	-6.17	-16.86

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Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-225.23	-356.84	-836.38
Ogden, UT	CO	Maintenance	100	-	-3.76	-6.53	-21.51
Ogden, UT	PM ₁₀	Moderate	100	-	-3.76	-6.53	-21.51
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.17	-0.28	-0.78
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.65	-4.22	-10.04
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-9.14	-15.20	-43.48
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.43	-0.70	-1.87
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-33.57	-51.93	-108.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-35.80	-55.26	-113.72
Payson, AZ	PM ₁₀	Maintenance	100	-	-2.02	-3.28	-8.70
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.06	-0.17
Peoria, IL	SO _x	Maintenance	100	-	-4.44	-7.90	-27.93
Perth Amboy, NJ	CO	Maintenance	100	-	-11.60	-18.49	-44.60
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-28.76	-47.72	-135.29
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-741.43	-1,164.34	-2,616.27
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-861.70	-1,371.80	-3,286.92
Phoenix, AZ	CO	Maintenance	100	-	-136.82	-280.76	-1,355.60
Phoenix, AZ	PM ₁₀	Serious	70	-	-142.95	-292.01	-1,398.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-143.37	-292.86	-1,402.72
Pierce County, WA	PM ₁₀	Maintenance	100	-	-4.22	-6.43	-12.26
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.29	-0.45	-0.91
Pittsburgh, PA	CO	Maintenance	100	-	-4.11	-6.48	-14.88
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-269.49	-427.85	-1,012.44
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-227.15	-362.46	-877.60
Polk County, TN	SO _x	Maintenance	100	-	-5.92	-9.10	-18.32
Polson, MT	PM ₁₀	Moderate	100	-	-0.36	-0.59	-1.49
Portland, ME	Ozone	Maintenance	100	-	-53.50	-87.38	-233.21

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Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-87.57	-146.06	-422.16
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-12.27	-18.87	-37.98
Poughkeepsie, NY	Ozone	Moderate	50	-	-69.89	-124.34	-439.75
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-2.21	-3.41	-6.99
Providence (entire State), RI	Ozone	Moderate	50	-	-123.71	-198.05	-486.60
Provo, UT	CO	Maintenance	100	-	-13.08	-21.91	-64.29
Raleigh-Durham, NC	CO	Maintenance	100	-	-56.66	-103.38	-390.55
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-89.84	-159.62	-562.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.35	-0.54	-1.17
Reading, PA	Ozone	Maintenance	100	-	-31.53	-51.46	-136.96
Reading, PA	PM _{2.5}	Nonattainment	100	-	-31.53	-51.46	-136.96
Reno, NV	CO	Maintenance	100	-	-20.73	-34.22	-95.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.21	-0.33	-0.73
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-102.15	-168.78	-471.13
Rillito, AZ	PM ₁₀	Moderate	100	-	-4.51	-7.48	-21.06
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-7.18	-20.78	-151.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	-51.15	-79.69	-171.96
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-11.32	-18.00	-42.88
Rochester, NY	Ozone	Former Subpart 1	50	-	-98.60	-164.91	-481.21
Rocky Mount, NC	Ozone	Maintenance	100	-	-28.06	-44.25	-101.41
Rome, GA	PM _{2.5}	Nonattainment	100	-	-31.17	-48.06	-98.26
Ronan, MT	PM ₁₀	Moderate	100	-	-0.14	-0.22	-0.57
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.57	-0.88	-1.84
Sacramento County, CA	PM ₁₀	Moderate	100	-	-58.57	-110.34	-449.83
Sacramento Metro, CA	Ozone	Severe	25	-	-150.31	-266.32	-931.33
Sacramento, CA	CO	Maintenance	100	-	-64.21	-121.61	-501.62
Salem, OR	CO	Maintenance	100	-	-8.07	-13.76	-42.88
Salt Lake City, UT	CO	Maintenance	100	-	-18.19	-30.10	-84.39

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Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-58.32	-101.24	-333.73
Salt Lake County, UT	SO _x	Nonattainment	100	-	-50.64	-89.80	-314.72
San Antonio, TX	Ozone	Former Subpart 1	50	-	-416.37	-646.98	-1,377.99
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-12.82	-25.29	-113.61
San Diego, CA	CO	Maintenance	100	-	-113.37	-231.58	-1,109.18
San Diego, CA	Ozone	Former Subpart 1	50	-	-113.58	-232.01	-1,111.27
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-720.22	-1,166.42	-3,009.97
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-742.43	-1,211.32	-3,221.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	-408.78	-678.82	-1,930.68
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-410.74	-681.94	-1,938.32
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-408.78	-678.82	-1,930.68
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.82	-3.22	-11.13
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.29	-0.44	-0.83
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-73.95	-119.21	-301.68
Seattle-Tacoma, WA	CO	Maintenance	100	-	-330.48	-535.11	-1,379.59
Sheboygan, WI	Ozone	Moderate	50	-	-10.98	-18.02	-49.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-9.63	-14.65	-27.67
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.56	-1.08	-4.60
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-52.22	-83.90	-209.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-9.25	-15.80	-49.40
Spokane County, WA	PM ₁₀	Maintenance	100	-	-43.60	-69.19	-163.48
Spokane, WA	CO	Maintenance	100	-	-43.12	-68.43	-161.67
Springfield (western MA), MA	Ozone	Moderate	50	-	-37.09	-67.24	-249.97
Springfield, MA	CO	Maintenance	100	-	-7.49	-13.15	-44.90
St. Louis, MO	CO	Maintenance	100	-	-261.60	-401.04	-793.59
St. Louis, MO-IL	Ozone	Moderate	50	-	-648.46	-1,005.17	-2,113.72
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-647.35	-1,003.27	-2,107.64

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-4.72	-9.46	-43.81
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.85	-4.54	-10.93
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-18.48	-28.08	-52.76
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-47.15	-71.48	-132.44
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-47.15	-71.48	-132.44
Stockton, CA	CO	Maintenance	100	-	-35.17	-59.62	-182.14
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-99.28	-154.69	-334.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.11	-0.18	-0.60
Terre Haute, IN	Ozone	Maintenance	100	-	-42.18	-64.50	-125.82
Tioga County, PA	Ozone	Maintenance	100	-	-3.55	-6.01	-18.21
Toledo, OH	Ozone	Maintenance	100	-	-124.32	-192.45	-401.90
Toms River, NJ	CO	Maintenance	100	-	-3.61	-6.85	-28.44
Tooele County, UT	SO _x	Nonattainment	100	-	-21.52	-33.48	-71.88
Trenton, NJ	CO	Maintenance	100	-	-4.59	-8.04	-27.34
Trona, CA	PM ₁₀	Moderate	100	-	-0.10	-0.20	-0.89
Tucson, AZ	CO	Maintenance	100	-	-86.65	-143.51	-404.19
Utah County, UT	PM ₁₀	Moderate	100	-	-37.97	-63.60	-186.57
Vancouver, WA	CO	Maintenance	100	-	-20.57	-35.32	-112.53
Ventura County, CA	Ozone	Serious	50	-	-28.99	-55.96	-240.57
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-4.10	-6.21	-11.35
Vigo County, IN	SO _x	Maintenance	100	-	-42.18	-64.50	-125.82
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-2.34	-4.23	-15.72
Warren County, NJ	SO _x	Maintenance	100	-	-1.53	-2.77	-10.29
Warren County, PA	SO _x	Nonattainment	100	-	-1.18	-1.93	-5.26
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-49.70	-76.92	-160.45
Washington, DC-MD-VA	CO	Maintenance	100	-	-58.61	-108.90	-430.10

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Table B.1-195							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-229.72	-419.51	-1,588.76
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-213.02	-392.90	-1,524.81
Washoe County, NV	PM ₁₀	Serious	70	-	-20.73	-34.22	-95.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.47	-2.25	-4.35
Wayne County, IN	SO _x	Maintenance	100	-	-18.39	-28.29	-57.06
Wayne County, MI	PM ₁₀	Maintenance	100	-	-38.84	-59.05	-111.24
Weirton, WV	PM ₁₀	Maintenance	100	-	-2.93	-4.48	-8.70
Weirton, WV	SO _x	Maintenance	100	-	-3.95	-6.04	-11.72
Wheeling, WV-OH	Ozone	Maintenance	100	-	-45.58	-69.78	-136.95
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-45.58	-69.78	-136.95
Winston-Salem, NC	CO	Maintenance	100	-	-42.77	-69.38	-180.14
Worcester, MA	CO	Maintenance	100	-	-6.83	-13.33	-58.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	-19.05	-29.68	-64.17
Yakima, WA	CO	Maintenance	100	-	-8.58	-13.38	-28.91
York, PA	Ozone	Maintenance	100	-	-44.95	-73.23	-193.59
York, PA	PM _{2.5}	Nonattainment	100	-	-28.78	-47.73	-135.07
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-58.98	-95.89	-251.36
Yuma, AZ	PM ₁₀	Moderate	100	-	-20.47	-33.26	-86.94

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.90	-1.17	-2.18
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.49	-0.71	-2.17
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.51	-0.74	-2.25
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-229.39	-317.47	-812.08
Albuquerque, NM	CO	Maintenance	100	-	-84.05	-118.65	-329.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	-40.44	-54.57	-124.34
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-58.00	-86.07	-283.72
Altoona, PA	Ozone	Maintenance	100	-	-40.56	-53.08	-102.29
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.16	-3.62	-66.50
Anchorage, AK	CO	Maintenance	100	-	-63.45	-83.45	-165.83
Anthony, NM	PM ₁₀	Moderate	100	-	-2.83	-3.72	-7.42
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.14	-0.28	-1.71
Aspen, CO	PM ₁₀	Maintenance	100	-	-2.85	-3.76	-7.63
Atlanta, GA	Ozone	Moderate	50	-	-952.71	-1,360.88	-3,945.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-953.79	-1,362.29	-3,947.88
Atlantic City, NJ	CO	Maintenance	100	-	-2.80	-4.57	-19.32
Bakersfield, CA	CO	Maintenance	100	-	-117.30	-158.68	-365.86
Baltimore, MD	CO	Maintenance	100	-	-3.73	-4.91	-9.78
Baltimore, MD	Ozone	Moderate	50	-	-188.87	-306.81	-1,282.38
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-188.87	-306.81	-1,282.36
Baton Rouge, LA	Ozone	Moderate	50	-	-652.04	-838.10	-1,439.70
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,159.48	-1,470.54	-2,292.52
Benton County, TN	SO _x	Maintenance	100	-	-1.23	-1.57	-2.60
Benton Harbor, MI	Ozone	Maintenance	100	-	-85.69	-111.35	-205.43
Benzie County, MI	Ozone	Maintenance	100	-	-8.08	-10.81	-23.53
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-50.50	-67.09	-140.98
Billings, MT	CO	Maintenance	100	-	-312.72	-396.04	-610.52
Birmingham, AL	Ozone	Maintenance	100	-	-170.92	-236.22	-600.60

Appendix B

Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-172.29	-238.02	-604.20
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-145.33	-190.98	-377.39
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-145.33	-190.98	-377.39
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-7.37	-9.75	-19.94
Boston, MA	CO	Maintenance	100	-	-68.16	-104.00	-371.91
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-257.90	-437.09	-1,996.10
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-16.77	-36.07	-233.19
Boyd County (part), KY	SO _x	Maintenance	100	-	-21.89	-27.80	-43.80
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-155.82	-220.38	-615.57
Burlington, NJ	CO	Maintenance	100	-	-0.34	-0.53	-1.99
Butte, MT	PM ₁₀	Moderate	100	-	-25.14	-32.07	-52.21
Canon City, CO	PM ₁₀	Maintenance	100	-	-12.76	-16.61	-30.97
Canton-Massillon, OH	Ozone	Maintenance	100	-	-129.78	-169.50	-322.84
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-129.78	-169.50	-322.84
Case County, MI	Ozone	Maintenance	100	-	-16.51	-21.72	-43.16
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.57	-0.74	-1.32
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-5.19	-6.65	-11.18
Charleston, WV	Ozone	Maintenance	100	-	-37.47	-52.36	-139.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-37.47	-52.36	-139.46
Charlotte, NC	CO	Maintenance	100	-	-57.27	-89.96	-347.46
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-257.75	-363.88	-1,009.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-292.83	-380.66	-704.23
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-268.06	-348.59	-646.34
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-851.15	-1,233.68	-3,766.00
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-903.30	-1,304.85	-3,937.21
Chico, CA	CO	Maintenance	100	-	-17.67	-25.57	-77.67
Chico, CA	Ozone	Former Subpart 1	50	-	-37.02	-53.58	-162.72
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-265.83	-378.34	-1,082.25

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Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-245.41	-351.19	-1,024.98
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-3.55	-4.69	-9.65
Clark County, NV	PM ₁₀	Serious	70	-	-110.99	-179.37	-741.10
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-162.26	-210.77	-388.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-96.06	-124.88	-231.16
Cleveland, OH	CO	Maintenance	100	-	-166.28	-226.50	-539.59
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-298.22	-428.73	-1,271.92
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-274.70	-394.56	-1,166.85
Coachella Valley, CA	PM ₁₀	Serious	70	-	10.06	-5.33	-224.45
Colbert County, AL	SO _x	Maintenance	100	-	-29.51	-38.28	-69.86
Colorado Springs, CO	CO	Maintenance	100	-	-186.07	-249.36	-548.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-2.85	-3.73	-7.27
Columbia, SC	Ozone	Former Subpart 1	50	-	-323.26	-422.03	-801.92
Columbus, OH	Ozone	Maintenance	100	-	-303.26	-422.96	-1,117.74
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-254.87	-359.15	-989.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.48	-0.65	-1.56
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.19
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-166.28	-226.50	-539.59
Cuyahoga County, OH	SO _x	Maintenance	100	-	-172.30	-231.77	-519.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-869.31	-1,269.94	-3,980.72
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-147.92	-203.04	-501.00
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-128.40	-176.41	-437.14
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-193.46	-316.55	-1,344.34
Denver-Boulder, CO	CO	Maintenance	100	-	-191.60	-310.98	-1,297.41
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-409.23	-603.74	-1,953.91
Detroit, MI	CO	Maintenance	100	-	-404.64	-536.52	-1,115.31
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-810.18	-1,121.35	-2,869.54
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-772.08	-1,071.43	-2,772.50

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Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-1.13	-2.29	-13.78
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-4.41	-6.27	-17.94
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-3.63	-5.17	-14.78
Duluth, MN	CO	Maintenance	100	-	-39.25	-51.08	-95.07
Eagle River, AK	PM ₁₀	Moderate	100	-	-4.08	-5.37	-10.67
East Chicago, IN	CO	Maintenance	100	-	-0.33	-0.44	-0.88
East Chicago, IN	PM ₁₀	Maintenance	100	-	-226.08	-289.26	-481.11
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.46	-0.60	-1.15
El Paso County, TX	PM ₁₀	Moderate	100	-	-113.84	-154.66	-363.88
El Paso, TX	CO	Maintenance	100	-	-5.20	-7.22	-18.68
Erie, PA	Ozone	Maintenance	100	-	-37.89	-52.32	-132.55
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.11	-0.18	-0.75
Eugene-Springfield, OR	CO	Maintenance	100	-	-102.26	-134.25	-263.79
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-98.25	-128.99	-253.46
Evansville, IN	Ozone	Maintenance	100	-	-62.54	-84.20	-189.69
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-104.75	-138.84	-288.08
Fairbanks, AK	CO	Maintenance	100	-	-12.75	-16.51	-29.83
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-29.73	-43.87	-142.06
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-3.69	-4.84	-9.42
Flint, MI	Ozone	Maintenance	100	-	-77.10	-107.86	-288.56
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.60	-0.77	-1.31
Fort Collins, CO	CO	Maintenance	100	-	-39.74	-54.59	-135.20
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.35	-0.45	-0.81
Fort Wayne, IN	Ozone	Maintenance	100	-	-187.24	-244.10	-459.70
Franklin County, PA	Ozone	Maintenance	100	-	-61.45	-80.95	-162.23
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.46	-0.59	-1.06
Frederick County, VA	Ozone	Former Subpart 1	50	-	-102.09	-131.63	-230.92
Fredericksburg, VA	Ozone	Maintenance	100	-	-91.89	-126.61	-317.81

Appendix B

Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-1.18	-1.99	-8.91
Fresno, CA	CO	Maintenance	100	-	-31.67	-54.27	-253.27
Grand Rapids, MI	Ozone	Maintenance	100	-	-163.37	-225.01	-563.61
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-13.29	-17.49	-34.94
Grant County, NM	SO _x	Maintenance	100	-	-1.67	-2.16	-3.78
Grants Pass, OR	CO	Maintenance	100	-	-0.21	-0.27	-0.54
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-15.23	-20.05	-40.08
Great Falls, MT	CO	Maintenance	100	-	-14.87	-19.08	-32.42
Greater Connecticut, CT	Ozone	Moderate	50	-	-187.80	-270.57	-808.79
Greeley, CO	CO	Maintenance	100	-	-64.22	-83.92	-160.45
Green Bay, WI	SO _x	Maintenance	100	-	-19.61	-27.45	-73.59
Greene County, IN	Ozone	Maintenance	100	-	-44.60	-57.30	-98.15
Greene County, PA	Ozone	Maintenance	100	-	-30.61	-39.52	-69.99
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-261.46	-363.95	-953.96
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-116.00	-162.90	-442.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-516.76	-669.91	-1,217.81
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-2.95	-4.19	-11.92
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-26.51	-35.94	-83.76
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-87.99	-130.72	-432.36
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-88.33	-129.60	-412.03
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-97.84	-144.63	-470.94
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.96	-1.47	-5.24
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-5.91	-8.47	-24.83
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.49	-0.73	-2.39
Hazelwood, PA	SO _x	Maintenance	100	-	-13.99	-18.51	-38.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-26.69	-37.13	-97.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-49.45	-68.31	-173.28
Hollis Township, IL	SO _x	Maintenance	100	-	-0.16	-0.24	-0.90

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Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-4,023.47	-5,204.87	-9,333.18
Humphreys County, TN	SO _x	Maintenance	100	-	-1.97	-2.55	-4.53
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-477.30	-607.94	-978.70
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-396.89	-503.60	-787.87
Huron County, MI	Ozone	Maintenance	100	-	-11.24	-14.74	-28.75
Imperial County, CA	Ozone	Moderate	50	-	-21.10	-32.29	-116.36
Imperial Valley, CA	PM ₁₀	Serious	70	-	-20.65	-31.61	-113.97
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-5.44	-7.53	-19.20
Indianapolis, IN	CO	Maintenance	100	-	-0.25	-0.33	-0.67
Indianapolis, IN	Ozone	Maintenance	100	-	-393.64	-542.43	-1,361.78
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-297.94	-412.34	-1,054.89
Jackson County, IN	Ozone	Maintenance	100	-	-68.20	-87.67	-150.60
Jamestown, NY	Ozone	Former Subpart 1	50	-	-35.68	-48.20	-110.39
Jefferson County, NY	Ozone	Moderate	50	-	-11.64	-17.28	-57.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-6.15	-7.88	-13.27
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-158.66	-204.47	-357.61
Johnstown, PA	Ozone	Maintenance	100	-	-34.13	-44.64	-85.77
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-44.02	-57.28	-106.58
Juneau, AK	PM ₁₀	Moderate	100	-	-11.60	-14.93	-25.93
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-146.27	-194.92	-416.41
Kalispell, MT	PM ₁₀	Moderate	100	-	-14.91	-19.54	-38.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-617.28	-817.04	-1,681.97
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	2.34	-0.39	-40.68
Kent, WA	PM ₁₀	Maintenance	100	-	-5.68	-7.81	-19.37
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-14.24	-19.70	-50.24
Kewaunee County, WI	Ozone	Maintenance	100	-	-4.03	-5.58	-14.30
King County, WA	PM ₁₀	Maintenance	100	-	-2.18	-2.99	-7.42
Klamath Falls, OR	CO	Maintenance	100	-	-27.13	-35.22	-64.57

Appendix B

Table B.1-196							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-27.13	-35.22	-64.57
Knoxville, TN	Ozone	Former Subpart 1	50	-	-546.39	-718.18	-1,420.87
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-455.32	-596.18	-1,153.03
La Porte County, IN	SO _x	Maintenance	100	-	-18.95	-24.55	-44.51
LaGrande, OR	PM ₁₀	Maintenance	100	-	-10.89	-14.05	-24.81
Lake County, IN	SO _x	Maintenance	100	-	-100.35	-132.43	-268.09
Lake County, OH	SO _x	Maintenance	100	-	-2.30	-3.63	-14.15
Lake County, OR	PM ₁₀	Maintenance	100	-	-3.86	-4.99	-8.86
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.47	-0.32	-11.50
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.23	-1.80	-27.78
Lake Tahoe, NV	CO	Maintenance	100	-	-2.18	-3.17	-9.78
Lamar, CO	PM ₁₀	Maintenance	100	-	-17.56	-22.33	-35.52
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.20	-0.28	-0.71
Lancaster, PA	Ozone	Maintenance	100	-	-22.38	-38.23	-177.27
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-22.38	-38.23	-177.27
Lane County, OR	PM ₁₀	Moderate	100	-	-0.45	-0.60	-1.17
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-38.56	-58.85	-210.58
LaPorte, IN	Ozone	Maintenance	100	-	-52.53	-68.07	-123.43
Las Vegas, NV	CO	Serious	100	-	-110.99	-179.37	-741.10
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-112.14	-181.23	-748.78
Lauderdale County, AL	SO _x	Maintenance	100	-	-6.49	-9.89	-35.24
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.83	-1.08	-2.04
Libby, MT	PM ₁₀	Moderate	100	-	-1.40	-1.84	-3.72
Libby, MT	PM _{2.5}	Nonattainment	100	-	-1.87	-2.46	-4.96
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-3.55	-4.69	-9.65
Lima, OH	Ozone	Maintenance	100	-	-128.47	-164.23	-271.47
Longmont, CO	CO	Maintenance	100	-	-1.40	-4.14	-34.72
Lorain County, OH	SO _x	Maintenance	100	-	-4.30	-6.41	-21.47

Appendix B

**Table B.1-196
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,492.29	-2,244.60	-7,705.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1,492.29	-2,244.60	-7,705.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,492.29	-2,244.60	-7,705.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,492.32	-2,244.64	-7,705.96
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,492.21	-2,244.48	-7,705.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-46.20	-74.99	-312.87
Louisville, KY-IN	Ozone	Maintenance	100	-	-173.36	-241.87	-640.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-177.06	-245.40	-631.68
Lowell, MA	CO	Maintenance	100	-	-7.98	-12.75	-51.30
Lucas County, OH	SO _x	Maintenance	100	-	-54.02	-73.79	-178.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-6.17	-8.97	-27.62
Macon, GA	Ozone	Maintenance	100	-	-120.27	-155.59	-279.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-119.41	-154.45	-276.76
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.84	-1.11	-2.29
Madison, WI	SO _x	Maintenance	100	-	-33.00	-47.85	-146.29
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-2.57	-3.57	-9.24
Manchester, NH	CO	Maintenance	100	-	-0.13	-1.55	-18.94
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-5.47	-8.92	-37.60
Marion County, IN	SO _x	Maintenance	100	-	-98.52	-130.34	-267.48
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-7.10	-12.13	-56.15
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-122.45	-161.35	-323.82
Mason County, MI	Ozone	Maintenance	100	-	-8.05	-10.74	-23.05
Medford, OR	CO	Maintenance	100	-	-2.47	-5.16	-32.24
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-5.96	-12.44	-77.78
Memphis, TN-AR	Ozone	Maintenance	100	-	-307.05	-406.70	-840.59
Memphis, TN	CO	Maintenance	100	-	-195.37	-264.42	-611.17
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-5.08	-7.16	-19.67

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Table B.1-196							
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Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-1.07	-1.44	-3.25
Milwaukee, WI	SO _x	Maintenance	100	-	-92.42	-127.05	-315.71
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-224.91	-322.79	-951.87
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-963.90	-1,281.68	-2,705.46
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-679.03	-920.42	-2,142.60
Missoula, MT	CO	Maintenance	100	-	-57.92	-74.45	-127.90
Missoula, MT	PM ₁₀	Moderate	100	-	-56.03	-72.02	-123.72
Modesto, CA	CO	Maintenance	100	-	-50.30	-71.72	-206.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-14.34	-20.96	-65.72
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.32	-0.45	-1.16
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.56	-0.77	-1.93
Morristown, NJ	CO	Maintenance	100	-	-2.28	-3.75	-16.15
Muhlenberg County, KY	SO _x	Maintenance	100	-	-13.75	-17.89	-33.37
Muncie, IN	Ozone	Maintenance	100	-	-101.71	-130.31	-218.82
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-3.19	-4.15	-7.71
Muscatine County, IA	SO _x	Maintenance	100	-	-7.38	-9.64	-18.48
Muskegon, MI	Ozone	Maintenance	100	-	-48.52	-64.02	-129.54
Nashua, NH	CO	Maintenance	100	-	-0.11	-1.26	-15.47
Nashville, TN	Ozone	Former Subpart 1	50	-	-222.49	-318.85	-935.41
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-9.70	-16.59	-77.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	-60.07	-79.31	-160.99
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-253.41	-335.48	-691.27
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-6.05	-7.74	-12.97
New York County, NY	PM ₁₀	Moderate	100	-	-514.16	-657.10	-1,084.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2,001.78	-2,687.31	-5,964.26
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2,806.41	-3,857.78	-9,581.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2,733.75	-3,763.20	-9,404.93
Nogales, AZ	PM ₁₀	Moderate	100	-	-5.74	-8.17	-23.44

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**Table B.1-196
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Volatile Organic Compounds (VOCs) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-412.83	-553.93	-1,226.30
Ogden, UT	CO	Maintenance	100	-	-5.42	-8.26	-29.47
Ogden, UT	PM ₁₀	Moderate	100	-	-5.42	-8.26	-29.47
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.23	-0.33	-0.93
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-3.78	-5.15	-12.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-13.23	-19.36	-61.05
Owens Valley, CA	PM ₁₀	Serious	70	-	-1.75	-2.33	-5.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.11
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-64.69	-84.48	-160.79
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-71.26	-92.79	-173.47
Payson, AZ	PM ₁₀	Maintenance	100	-	-3.17	-4.47	-12.28
Penns Grove, NJ	CO	Maintenance	100	-	-0.06	-0.08	-0.24
Peoria, IL	SO _x	Maintenance	100	-	-6.84	-10.57	-39.10
Perth Amboy, NJ	CO	Maintenance	100	-	-23.08	-31.28	-72.80
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-48.94	-68.83	-188.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,378.77	-1,831.44	-3,844.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,558.85	-2,103.44	-4,789.82
Phoenix, AZ	CO	Maintenance	100	-	-63.87	-221.02	-2,018.11
Phoenix, AZ	PM ₁₀	Serious	70	-	-70.06	-232.40	-2,078.03
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-70.25	-232.99	-2,083.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	-7.90	-10.16	-17.53
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.53	-0.69	-1.25
Pittsburgh, PA	CO	Maintenance	100	-	-11.20	-14.82	-30.46
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-501.96	-673.23	-1,487.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-424.74	-572.34	-1,294.45
Polk County, TN	SO _x	Maintenance	100	-	-11.45	-14.88	-27.41
Polson, MT	PM ₁₀	Moderate	100	-	-0.69	-0.95	-2.36
Portland, ME	Ozone	Maintenance	100	-	-91.63	-127.68	-336.20

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Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-137.16	-197.47	-588.85
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-22.84	-29.69	-54.94
Poughkeepsie, NY	Ozone	Moderate	50	-	-99.48	-159.86	-652.00
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-4.32	-5.62	-10.45
Providence (entire State), RI	Ozone	Moderate	50	-	-226.32	-307.56	-724.83
Provo, UT	CO	Maintenance	100	-	-18.41	-27.33	-90.20
Raleigh-Durham, NC	CO	Maintenance	100	-	-63.43	-111.84	-549.54
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-111.25	-183.47	-792.60
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.61	-0.80	-1.61
Reading, PA	Ozone	Maintenance	100	-	-52.80	-73.61	-194.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	-52.80	-73.61	-194.08
Reno, NV	CO	Maintenance	100	-	-32.30	-46.03	-132.25
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.54	-0.72	-1.45
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-162.83	-231.51	-659.72
Rillito, AZ	PM ₁₀	Moderate	100	-	-7.09	-10.26	-31.13
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	10.06	-5.33	-224.45
Roanoke, VA	Ozone	Former Subpart 1	50	-	-90.07	-118.88	-240.89
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-18.31	-24.92	-59.13
Rochester, NY	Ozone	Former Subpart 1	50	-	-170.63	-243.47	-703.03
Rocky Mount, NC	Ozone	Maintenance	100	-	-51.03	-68.07	-146.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	-57.42	-74.91	-141.80
Ronan, MT	PM ₁₀	Moderate	100	-	-0.26	-0.36	-0.89
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.94	-1.24	-2.44
Sacramento County, CA	PM ₁₀	Moderate	100	-	-69.45	-128.13	-678.39
Sacramento Metro, CA	Ozone	Severe	25	-	-199.88	-327.32	-1,392.60
Sacramento, CA	CO	Maintenance	100	-	-70.11	-134.05	-748.34
Salem, OR	CO	Maintenance	100	-	-12.08	-17.93	-59.11
Salt Lake City, UT	CO	Maintenance	100	-	-29.50	-42.09	-121.39

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Volatile Organic Compounds (VOCs) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-83.00	-127.98	-471.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	-67.64	-108.61	-442.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	-704.91	-932.31	-1,911.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-10.50	-23.40	-157.00
San Diego, CA	CO	Maintenance	100	-	-92.95	-225.72	-1,640.69
San Diego, CA	Ozone	Former Subpart 1	50	-	-93.12	-226.14	-1,643.89
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,216.02	-1,689.75	-4,397.23
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,237.56	-1,735.88	-4,693.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	-623.79	-908.13	-2,814.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-625.97	-911.15	-2,821.74
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-623.79	-908.13	-2,814.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-2.22	-3.65	-15.73
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.56	-0.72	-1.25
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-134.59	-183.89	-444.39
Seattle-Tacoma, WA	CO	Maintenance	100	-	-538.40	-749.27	-1,962.04
Sheboygan, WI	Ozone	Moderate	50	-	-18.47	-25.98	-70.98
Sheridan, WY	PM ₁₀	Moderate	100	-	-16.51	-21.27	-37.13
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Somerville, NJ	CO	Maintenance	100	-	-0.62	-1.18	-6.51
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-91.10	-124.46	-300.70
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-13.35	-19.39	-59.61
Spokane County, WA	PM ₁₀	Maintenance	100	-	-71.65	-97.29	-228.34
Spokane, WA	CO	Maintenance	100	-	-70.81	-96.14	-225.64
Springfield (western MA), MA	Ozone	Moderate	50	-	-56.80	-90.49	-361.60
Springfield, MA	CO	Maintenance	100	-	-13.42	-20.24	-70.05
St. Louis, MO	CO	Maintenance	100	-	-529.17	-683.11	-1,208.10
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,218.66	-1,595.94	-3,089.75
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,216.98	-1,593.44	-3,081.33

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-5.28	-10.68	-64.36
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-4.65	-6.39	-15.89
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-38.16	-48.91	-82.31
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-93.03	-119.07	-198.59
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-93.03	-119.07	-198.59
Stockton, CA	CO	Maintenance	100	-	-59.08	-87.38	-285.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-189.79	-249.64	-495.89
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.15	-0.25	-0.98
Terre Haute, IN	Ozone	Maintenance	100	-	-78.81	-101.74	-180.07
Tioga County, PA	Ozone	Maintenance	100	-	-6.23	-8.92	-26.10
Toledo, OH	Ozone	Maintenance	100	-	-238.52	-311.73	-596.14
Toms River, NJ	CO	Maintenance	100	-	-4.64	-8.42	-43.44
Tooele County, UT	SO _x	Nonattainment	100	-	-35.89	-47.56	-98.57
Trenton, NJ	CO	Maintenance	100	-	-7.47	-11.39	-40.52
Trona, CA	PM ₁₀	Moderate	100	-	-0.09	-0.20	-1.31
Tucson, AZ	CO	Maintenance	100	-	-129.65	-187.57	-568.85
Utah County, UT	PM ₁₀	Moderate	100	-	-52.54	-78.00	-257.44
Vancouver, WA	CO	Maintenance	100	-	-27.88	-43.16	-160.59
Ventura County, CA	Ozone	Serious	50	-	-32.44	-63.13	-361.24
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-8.21	-10.49	-17.26
Vigo County, IN	SO _x	Maintenance	100	-	-78.81	-101.74	-180.07
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-3.51	-5.61	-22.59
Warren County, NJ	SO _x	Maintenance	100	-	-2.41	-3.83	-15.23
Warren County, PA	SO _x	Nonattainment	100	-	-2.50	-3.41	-8.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-87.16	-114.36	-223.91
Washington, DC-MD-VA	CO	Maintenance	100	-	-95.76	-156.59	-664.17

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-279.25	-480.55	-2,259.61
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-249.91	-440.56	-2,164.15
Washoe County, NV	PM ₁₀	Serious	70	-	-32.30	-46.03	-132.25
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-2.83	-3.65	-6.43
Wayne County, IN	SO _x	Maintenance	100	-	-40.23	-52.00	-92.70
Wayne County, MI	PM ₁₀	Maintenance	100	-	-111.10	-142.80	-245.28
Weirton, WV	PM ₁₀	Maintenance	100	-	-6.50	-8.33	-14.01
Weirton, WV	SO _x	Maintenance	100	-	-9.26	-11.87	-19.93
Wheeling, WV-OH	Ozone	Maintenance	100	-	-89.27	-115.21	-203.48
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-89.27	-115.21	-203.48
Winston-Salem, NC	CO	Maintenance	100	-	-69.33	-96.45	-252.12
Worcester, MA	CO	Maintenance	100	-	-9.25	-17.01	-89.70
Yakima County, WA	PM ₁₀	Maintenance	100	-	-32.70	-43.31	-89.51
Yakima, WA	CO	Maintenance	100	-	-16.14	-21.38	-44.18
York, PA	Ozone	Maintenance	100	-	-73.49	-102.87	-275.84
York, PA	PM _{2.5}	Nonattainment	100	-	-44.61	-64.14	-190.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-108.71	-148.85	-363.21
Yuma, AZ	PM ₁₀	Moderate	100	-	-30.89	-43.64	-121.33

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.15
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	0.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	0.07
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.20	0.24	0.76
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.20	0.24	0.76
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.01	0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.09	0.11	0.34
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.11	0.34
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.04
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.72	-0.94	-1.60
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	0.12

Appendix B

**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.12
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.04
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.03	0.03	0.10
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.16	0.19	0.59
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.02	0.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	0.13
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.05	0.06	0.19
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.06
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.21	0.26	0.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.22	0.27	0.84
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.07	0.23

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**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.22
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.05	0.17
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Cleveland, OH	CO	Maintenance	100	-	0.03	0.04	0.11
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.10	0.30
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	0.07
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	0.07
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.08
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.06	0.19
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	0.11
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.21	0.25	0.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.03	0.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.09	0.11	0.34
Denver-Boulder, CO	CO	Maintenance	100	-	0.09	0.10	0.32
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.11	0.13	0.41
Detroit, MI	CO	Maintenance	100	-	0.05	0.06	0.19
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.14	0.17	0.54
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.14	0.17	0.53

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Table B.1-197							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	0.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.05

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Table B.1-197							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	0.07
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	0.09
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	0.19
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.06	0.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.03	0.11
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.03	0.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	0.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.83	-1.10	-1.60
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	0.07	0.23
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.18
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	0.06
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.06	0.19
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.04	0.13
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.10
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.06
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.04	0.05	0.17
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.05	0.17
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.38	0.44	1.55
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.38	0.44	1.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.38	0.44	1.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.38	0.44	1.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.38	0.44	1.55
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.02	0.08
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.04	0.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.13
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.04	0.12
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	0.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-197							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.06	0.21
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.04	0.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.10	0.32
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	0.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	0.09
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.24	0.29	0.91
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.45	0.54	1.73
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.45	0.54	1.71
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Table B.1-197							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.06	0.18
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.14	0.16	0.52
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.20	0.24	0.76
Phoenix, AZ	CO	Maintenance	100	-	0.13	0.16	0.51
Phoenix, AZ	PM ₁₀	Serious	70	-	0.14	0.17	0.52
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.14	0.17	0.53
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.07	0.24
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.22
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	0.07

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Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.04	0.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.05	0.15
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	0.11
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.05	0.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.06	0.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.04	0.14
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.02	0.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.16
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.05	0.17
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.09	0.29
Sacramento, CA	CO	Maintenance	100	-	0.05	0.06	0.18
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.05	-0.06	-0.09

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**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.03	0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	0.12
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.07	0.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
San Diego, CA	CO	Maintenance	100	-	0.12	0.15	0.46
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	0.15	0.46
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.19	0.23	0.73
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.22	0.26	0.82
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.12	0.14	0.47
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.12	0.14	0.47
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.12	0.14	0.47
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.02	0.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.09	0.11	0.34
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.03	0.10
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.02
St. Louis, MO	CO	Maintenance	100	-	0.03	0.03	0.11
St. Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.11	0.35
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.11	0.35

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Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.05
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.02	0.06
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	0.06
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	0.11
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	0.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.06	0.18

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**Table B.1-197
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.16	0.19	0.61
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.16	0.19	0.60
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	0.05
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	0.08
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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**Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.08	0.10	0.33
Albuquerque, NM	CO	Maintenance	100	-	0.04	0.05	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.04	0.05	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.41	0.53	1.72
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.41	0.53	1.72
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.02	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.18	0.24	0.77
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.18	0.24	0.77
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.10	-0.07
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.40	-2.05	-3.27
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.06	0.08	0.26

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Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.26
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.03	0.08
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.08
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.05	0.07	0.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.31	0.40	1.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.05	0.17
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.07	0.09	0.30
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.02	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.02	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.07
Charlotte, NC	CO	Maintenance	100	-	0.04	0.06	0.19
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.10	0.13	0.42
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.43	0.56	1.82
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.44	0.57	1.88
Chico, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.12	0.16	0.51

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**Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.12	0.15	0.49
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.09	0.12	0.39
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.02	0.02	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.05
Cleveland, OH	CO	Maintenance	100	-	0.06	0.07	0.24
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.16	0.20	0.66
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.14	0.19	0.61
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.04	0.05	0.16
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.04	0.05	0.15
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	0.05	0.17
Columbus, OH	Ozone	Maintenance	100	-	0.10	0.13	0.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.09	0.12	0.40
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.06	0.07	0.24
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.05	0.06	0.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.42	0.55	1.79
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.05	0.07	0.21
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.19
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.18	0.23	0.77
Denver-Boulder, CO	CO	Maintenance	100	-	0.17	0.22	0.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.22	0.28	0.93
Detroit, MI	CO	Maintenance	100	-	0.10	0.12	0.41
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.28	0.36	1.19
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.27	0.36	1.17

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**Table B.1-198
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Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	0.04	0.12
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.02	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.03	0.04	0.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.03	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.03	0.03	0.11

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**Table B.1-198
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Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.04	0.05	0.15
Grand Rapids, MI	Ozone	Maintenance	100	-	0.05	0.06	0.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.10	0.13	0.42
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.10	0.13	0.42
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.21
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.07	0.23
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	0.07	0.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.08	0.27
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.60	-2.40	-3.16
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.12	0.16	0.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.10	0.12	0.41
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.04	0.13
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.10	0.13	0.43
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.07	0.09	0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.24
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.02	0.08
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.03	0.04	0.12
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.12
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.04	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Las Vegas, NV	CO	Serious	100	-	0.09	0.12	0.39
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.09	0.12	0.39
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	0.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.76	0.97	3.55
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.76	0.97	3.55
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.76	0.97	3.55
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.76	0.97	3.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.76	0.97	3.55
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.05	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.07	0.09	0.29
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.28
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.02	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.06
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.02	0.08
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.06	0.08	0.26
Memphis, TN	CO	Maintenance	100	-	0.06	0.07	0.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.04	0.14
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.11	0.14	0.46
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.08	0.09	0.51
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.17	0.22	0.72
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.02	0.02	0.08
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	0.13	0.42
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.05	0.06	0.20
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.03	0.04	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.47	0.61	2.01
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.90	1.17	3.82
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.89	1.16	3.78
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

Appendix B

Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.10	0.12	0.40
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.03	0.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.27	0.35	1.14
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.39	0.51	1.67
Phoenix, AZ	CO	Maintenance	100	-	0.29	0.37	1.21
Phoenix, AZ	PM ₁₀	Serious	70	-	0.29	0.38	1.25
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.29	0.38	1.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.12	0.16	0.51
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.14	0.47
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.04	0.14

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Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.07	0.09	0.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.08	0.11	0.35
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.06	0.08	0.25
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.08	0.10	0.34
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.11	0.14	0.46
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.03	0.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	0.10	0.31
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.04	0.05	0.16
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.08	0.11	0.34
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.09	0.12	0.38
Sacramento Metro, CA	Ozone	Severe	25	-	0.16	0.21	0.69
Sacramento, CA	CO	Maintenance	100	-	0.10	0.13	0.43
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.09	-0.13	-0.19

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Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.04	-0.07	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	0.08	0.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.11	0.15	0.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.03	0.03	0.11
San Diego, CA	CO	Maintenance	100	-	0.25	0.33	1.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.25	0.33	1.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.39	0.50	1.65
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.44	0.57	1.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.24	0.31	1.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.24	0.31	1.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.24	0.31	1.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	0.05	0.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.18	0.23	0.77
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.03	0.04	0.12
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	0.08
Spokane, WA	CO	Maintenance	100	-	0.02	0.02	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.07	0.23
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.04
St. Louis, MO	CO	Maintenance	100	-	0.06	0.07	0.24
St. Louis, MO-IL	Ozone	Moderate	50	-	0.18	0.23	0.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.18	0.23	0.75

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Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Stockton, CA	CO	Maintenance	100	-	0.03	0.04	0.12
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.04	0.13
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.04	0.14
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.06	0.08	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	0.04	0.12
Vancouver, WA	CO	Maintenance	100	-	0.02	0.02	0.08
Ventura County, CA	Ozone	Serious	50	-	0.05	0.06	0.21
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.12	0.40

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**Table B.1-198
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.33	0.42	1.39
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.32	0.42	1.36
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.03	0.11
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.03	0.03	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.04	0.05	0.16
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-199							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	0.27	-0.19
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.12	-0.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.13	-0.09
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.03
Anchorage, AK	CO	Maintenance	100	-	0.04	0.03	-0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.79	1.50	-1.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.79	1.50	-1.04
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Bakersfield, CA	CO	Maintenance	100	-	0.02	-0.05	-0.28
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.78	0.65	-0.45
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.78	0.65	-0.45
Baton Rouge, LA	Ozone	Moderate	50	-	-0.14	-0.32	-0.78
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-4.14	-6.22	-9.00
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Billings, MT	CO	Maintenance	100	-	0.02	0.02	-0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.25	0.21	-0.14

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Table B.1-199							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.25	0.21	-0.15
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.09	0.07	-0.05
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.09	0.07	-0.05
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.21	0.18	-0.12
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.30	1.09	-0.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.14	-0.10
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.24	-0.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.06	-0.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.06	-0.04
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.05	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.05	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.20	0.17	-0.12
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.44	0.37	-0.25
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.13	0.11	-0.08
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.10	-0.07
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.83	1.54	-1.07
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.90	1.59	-1.10
Chico, CA	CO	Maintenance	100	-	0.03	0.03	-0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.06	-0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.50	0.42	-0.29

Appendix B

**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.49	0.41	-0.28
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.42	0.35	-0.25
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.06	-0.04
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.03
Cleveland, OH	CO	Maintenance	100	-	0.22	0.18	-0.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.63	0.53	-0.37
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.58	0.49	-0.34
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.19	0.16	-0.11
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.16	0.14	-0.09
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.17	0.14	-0.10
Columbus, OH	Ozone	Maintenance	100	-	0.45	0.38	-0.26
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.42	0.35	-0.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.18	-0.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.15	-0.10
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.91	1.60	-1.11
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.17	-0.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.15	-0.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.81	0.67	-0.47
Denver-Boulder, CO	CO	Maintenance	100	-	0.77	0.65	-0.45
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.97	0.81	-0.57
Detroit, MI	CO	Maintenance	100	-	0.37	0.31	-0.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.17	0.98	-0.68
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.15	0.96	-0.67

Appendix B

**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.03
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.13	0.11	-0.07
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.06	0.05	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.05	-0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.05	-0.03
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.05	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.07	-0.05
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.06	-0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.13	0.11	-0.07
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.04	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.08	-0.05
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.10	-0.07

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**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.16	0.13	-0.09
Grand Rapids, MI	Ozone	Maintenance	100	-	0.21	0.18	-0.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.40	0.34	-0.24
Greeley, CO	CO	Maintenance	100	-	0.03	0.03	-0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.02
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.41	0.34	-0.24
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.17	-0.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.22	0.18	-0.13
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.02	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.22	0.19	-0.13
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.21	0.17	-0.12
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.26	0.22	-0.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.06	-0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-199
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Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-4.31	-7.36	-13.07
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.06	-0.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.05	-0.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.05	-0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.52	0.44	-0.30
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.42	0.35	-0.24
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.03	-0.02
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.03
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	0.10	-0.07
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.44	0.37	-0.25
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.01

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**Table B.1-199
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Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.32	0.27	-0.19
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.25	0.21	-0.14
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.06	-0.04
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.12	0.10	-0.07
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.10	-0.07
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.10	-0.07
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Las Vegas, NV	CO	Serious	100	-	0.42	0.35	-0.25
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.43	0.36	-0.25
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.03	0.02	-0.02
Longmont, CO	CO	Maintenance	100	-	0.03	0.02	-0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01

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**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.59	2.70	-3.37
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.59	2.70	-3.37
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.59	2.70	-3.37
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.59	2.70	-3.37
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.59	2.70	-3.37
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.19	0.16	-0.11
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.23	-0.16
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.22	-0.16
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	-0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.06	-0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.05	0.04	-0.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.04	-0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.07	0.06	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.01
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.06	-0.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.07	-0.05
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.24	0.20	-0.14
Memphis, TN	CO	Maintenance	100	-	0.22	0.18	-0.13
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Table B.1-199							
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Acetaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.11	-0.07
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.45	0.38	-0.26
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.46	0.20	-1.05
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.73	0.61	-0.42
Missoula, MT	CO	Maintenance	100	-	0.02	0.01	-0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.01
Modesto, CA	CO	Maintenance	100	-	0.09	0.07	-0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.43	0.36	-0.25
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.03
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.19	0.16	-0.11
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.09	-0.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.94	1.62	-1.13
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.74	3.13	-2.17
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.71	3.10	-2.16
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01

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Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.39	0.33	-0.23
Ogden, UT	CO	Maintenance	100	-	0.02	0.01	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.03	-0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.02	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.08	-0.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.10	0.92	-0.64
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.63	1.36	-0.95
Phoenix, AZ	CO	Maintenance	100	-	1.43	1.20	-0.83
Phoenix, AZ	PM ₁₀	Serious	70	-	1.47	1.23	-0.86
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.48	1.24	-0.86
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.49	0.41	-0.28
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.44	0.37	-0.26
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.14	0.12	-0.08

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Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.28	0.23	-0.19
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.38	0.32	-0.22
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.25	0.21	-0.15
Provo, UT	CO	Maintenance	100	-	0.04	0.04	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.35	0.30	-0.21
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.48	0.40	-0.28
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.07	-0.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.07	-0.05
Reno, NV	CO	Maintenance	100	-	0.06	0.05	-0.04
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.31	0.26	-0.18
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.19	0.16	-0.11
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.05	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.33	0.28	-0.19
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.04	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.43	0.36	-0.25
Sacramento Metro, CA	Ozone	Severe	25	-	0.79	0.66	-0.46
Sacramento, CA	CO	Maintenance	100	-	0.48	0.40	-0.28
Salem, OR	CO	Maintenance	100	-	0.03	0.03	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.25	-0.40	-0.67

Appendix B

**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.04	-0.23	-0.79
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.27	0.22	-0.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.49	0.41	-0.28
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.12	0.10	-0.07
San Diego, CA	CO	Maintenance	100	-	1.17	0.98	-0.68
San Diego, CA	Ozone	Former Subpart 1	50	-	1.17	0.98	-0.68
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.73	1.45	-1.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.95	1.63	-1.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.19	0.93	-0.97
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.20	0.94	-0.97
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.19	0.93	-0.97
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.14	-0.10
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.79	0.66	-0.46
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.09	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.07	-0.05
Spokane, WA	CO	Maintenance	100	-	0.08	0.06	-0.05
Springfield (western MA), MA	Ozone	Moderate	50	-	0.22	0.19	-0.13
Springfield, MA	CO	Maintenance	100	-	0.04	0.03	-0.02
St. Louis, MO	CO	Maintenance	100	-	0.21	0.17	-0.12
St. Louis, MO-IL	Ozone	Moderate	50	-	0.72	0.60	-0.42
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.71	0.60	-0.41

Appendix B

**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	0.04	-0.03
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Stockton, CA	CO	Maintenance	100	-	0.13	0.11	-0.08
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.10	-0.07
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.13	0.11	-0.08
Toms River, NJ	CO	Maintenance	100	-	0.03	0.02	-0.02
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.02	-0.02
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.27	0.22	-0.16
Utah County, UT	PM ₁₀	Moderate	100	-	0.13	0.11	-0.08
Vancouver, WA	CO	Maintenance	100	-	0.09	0.07	-0.05
Ventura County, CA	Ozone	Serious	50	-	0.23	0.19	-0.16
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.40	0.34	-0.23

Appendix B

**Table B.1-199
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.44	1.20	-0.84
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.41	1.18	-0.82
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.05	-0.04
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.01	-0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.09	-0.06
Worcester, MA	CO	Maintenance	100	-	0.06	0.05	-0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.01
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
York, PA	Ozone	Maintenance	100	-	0.12	0.10	-0.07
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.08	-0.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.12	-0.09
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.04	-0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.03	0.95	0.16
Albuquerque, NM	CO	Maintenance	100	-	0.46	0.43	0.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.13	0.12	0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.47	0.44	0.07
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.06	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.19	0.17	0.03
Anchorage, AK	CO	Maintenance	100	-	0.12	0.12	0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Atlanta, GA	Ozone	Moderate	50	-	5.81	5.36	0.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.81	5.36	0.91
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.04	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.19	0.11	-0.27
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	0.00
Baltimore, MD	Ozone	Moderate	50	-	2.50	2.31	0.39
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.50	2.31	0.39
Baton Rouge, LA	Ozone	Moderate	50	-	-0.07	-0.28	-0.96
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-8.19	-10.39	-13.92
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.11	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.12	0.11	0.02
Billings, MT	CO	Maintenance	100	-	0.06	0.05	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.75	0.69	0.12

Appendix B

Table B.1-200							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.76	0.70	0.12
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.28	0.26	0.04
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.28	0.26	0.04
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.02	0.00
Boston, MA	CO	Maintenance	100	-	0.66	0.61	0.10
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	4.08	3.77	0.64
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.54	0.50	0.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.01	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.87	0.80	0.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.21	0.20	0.03
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.21	0.20	0.03
Case County, MI	Ozone	Maintenance	100	-	0.03	0.03	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.19	0.17	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.19	0.17	0.03
Charlotte, NC	CO	Maintenance	100	-	0.65	0.60	0.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.41	1.31	0.22
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.41	0.38	0.06
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.38	0.35	0.06
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.84	5.39	0.92
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	6.04	5.57	0.95
Chico, CA	CO	Maintenance	100	-	0.12	0.11	0.02
Chico, CA	Ozone	Former Subpart 1	50	-	0.25	0.23	0.04
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.57	1.45	0.25

Appendix B

Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.52	1.40	0.24
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Clark County, NV	PM ₁₀	Serious	70	-	1.44	1.33	0.23
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.22	0.21	0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.14	0.13	0.02
Cleveland, OH	CO	Maintenance	100	-	0.61	0.56	0.10
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.92	1.77	0.30
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.75	1.62	0.28
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.66	0.61	0.10
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.04	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.53	0.49	0.08
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.52	0.48	0.08
Columbus, OH	Ozone	Maintenance	100	-	1.48	1.36	0.23
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.37	1.27	0.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.61	0.56	0.10
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.53	0.49	0.08
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.33	5.84	0.99
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.60	0.55	0.09
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.53	0.49	0.08
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.65	2.44	0.42
Denver-Boulder, CO	CO	Maintenance	100	-	2.53	2.34	0.40
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.19	2.95	0.50
Detroit, MI	CO	Maintenance	100	-	0.95	0.88	0.15
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.63	3.35	0.57
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.56	3.29	0.56

Appendix B

**Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.02	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.02	0.00
Duluth, MN	CO	Maintenance	100	-	0.06	0.05	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.15	0.14	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.40	0.37	0.06
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	0.00
Erie, PA	Ozone	Maintenance	100	-	0.17	0.15	0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.19	0.18	0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.18	0.17	0.03
Evansville, IN	Ozone	Maintenance	100	-	0.19	0.18	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.24	0.23	0.04
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.01	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.23	0.21	0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Flint, MI	Ozone	Maintenance	100	-	0.39	0.36	0.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.16	0.15	0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.29	0.27	0.05
Franklin County, PA	Ozone	Maintenance	100	-	0.13	0.12	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.10	0.10	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.39	0.36	0.06

Appendix B

Table B.1-200							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	0.00
Fresno, CA	CO	Maintenance	100	-	0.52	0.48	0.08
Grand Rapids, MI	Ozone	Maintenance	100	-	0.69	0.64	0.11
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	0.00
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	1.23	1.13	0.19
Greeley, CO	CO	Maintenance	100	-	0.11	0.10	0.02
Green Bay, WI	SO _x	Maintenance	100	-	0.10	0.09	0.02
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.04	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.03	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.25	1.15	0.20
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.60	0.56	0.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.66	0.61	0.10
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.02	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.09	0.08	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.72	0.66	0.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.66	0.61	0.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.77	0.71	0.12
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.03	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.03	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.13	0.12	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.22	0.20	0.03
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6.85	-10.20	-18.33
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.21	0.20	0.03
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.11	0.10	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.21	0.19	0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	0.19	0.03
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.67	1.55	0.26
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.33	1.23	0.21
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.06	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.12	0.11	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.09	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.16	0.15	0.02
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.05	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.38	0.35	0.06
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.02	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.40	1.29	0.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.12	0.11	0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.02	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.03	0.01

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Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.03	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.06	0.98	0.17
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.80	0.74	0.13
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.02	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.21	0.20	0.03
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.02	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.03	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.08	0.07	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.02	0.01	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.36	0.34	0.06
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.34	0.06
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.37	0.34	0.06
LaPorte, IN	Ozone	Maintenance	100	-	0.07	0.06	0.01
Las Vegas, NV	CO	Serious	100	-	1.44	1.33	0.23
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.45	1.34	0.23
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.06	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.00
Lima, OH	Ozone	Maintenance	100	-	0.08	0.07	0.01
Longmont, CO	CO	Maintenance	100	-	0.09	0.08	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.03	0.01

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**Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	12.27	11.01	0.51
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	12.27	11.01	0.51
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	12.27	11.01	0.51
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	12.27	11.01	0.51
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	12.27	11.01	0.50
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.61	0.56	0.10
Louisville, KY-IN	Ozone	Maintenance	100	-	0.85	0.78	0.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.80	0.74	0.13
Lowell, MA	CO	Maintenance	100	-	0.10	0.09	0.02
Lucas County, OH	SO _x	Maintenance	100	-	0.21	0.19	0.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.04	0.01
Macon, GA	Ozone	Maintenance	100	-	0.14	0.13	0.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.13	0.02
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.23	0.21	0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.00
Manchester, NH	CO	Maintenance	100	-	0.05	0.05	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.07	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.22	0.20	0.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.12	0.11	0.02
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.25	0.23	0.04
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.00
Medford, OR	CO	Maintenance	100	-	0.07	0.07	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.18	0.17	0.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.71	0.65	0.11
Memphis, TN	CO	Maintenance	100	-	0.66	0.61	0.10
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.03	0.00

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Table B.1-200							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.38	0.35	0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.43	1.32	0.22
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.82	1.49	-0.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.33	2.15	0.37
Missoula, MT	CO	Maintenance	100	-	0.05	0.05	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.05	0.01
Modesto, CA	CO	Maintenance	100	-	0.30	0.28	0.05
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.10	0.02
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.03	0.03	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.02	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.07	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.10	0.10	0.02
Nashua, NH	CO	Maintenance	100	-	0.04	0.04	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	1.39	1.29	0.22
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.16	0.15	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.12	0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.58	0.53	0.09
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.31	0.29	0.05
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.92	5.47	0.93
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	11.60	10.71	1.82
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	11.49	10.61	1.80
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.03	0.01

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Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.21	1.12	0.19
Ogden, UT	CO	Maintenance	100	-	0.05	0.05	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.05	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.10	0.09	0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.10	0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.11	0.10	0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.07	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.07	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.26	0.24	0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	3.37	3.11	0.53
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	5.00	4.62	0.79
Phoenix, AZ	CO	Maintenance	100	-	5.13	4.73	0.80
Phoenix, AZ	PM ₁₀	Serious	70	-	5.26	4.85	0.82
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.27	4.87	0.83
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.02	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.46	1.35	0.23
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.33	1.23	0.21
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.01	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.44	0.41	0.07

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Table B.1-200
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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.87	0.80	0.11
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.03	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	1.25	1.16	0.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.81	0.74	0.13
Provo, UT	CO	Maintenance	100	-	0.15	0.14	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	1.16	1.07	0.18
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.57	1.45	0.25
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.26	0.24	0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.24	0.04
Reno, NV	CO	Maintenance	100	-	0.19	0.18	0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.95	0.88	0.15
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.04	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.66	0.61	0.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.19	0.18	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.07	0.06	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	1.03	0.95	0.16
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.12	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.08	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.48	1.37	0.23
Sacramento Metro, CA	Ozone	Severe	25	-	2.74	2.53	0.43
Sacramento, CA	CO	Maintenance	100	-	1.66	1.54	0.26
Salem, OR	CO	Maintenance	100	-	0.10	0.09	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.43	-0.60	-0.97

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Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.24	0.02	-0.86
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.85	0.78	0.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.57	1.45	0.25
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.37	0.34	0.06
San Diego, CA	CO	Maintenance	100	-	3.96	3.66	0.62
San Diego, CA	Ozone	Former Subpart 1	50	-	3.97	3.66	0.62
San Francisco Bay Area, CA	Ozone	Marginal	50	-	5.69	5.25	0.89
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	6.38	5.89	1.00
San Joaquin Valley, CA	Ozone	Extreme	10	-	4.22	3.83	0.36
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	4.23	3.84	0.36
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	4.22	3.83	0.36
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.03	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.52	0.48	0.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.56	2.36	0.40
Sheboygan, WI	Ozone	Moderate	50	-	0.10	0.09	0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.02	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.35	0.32	0.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.09	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.25	0.23	0.04
Spokane, WA	CO	Maintenance	100	-	0.25	0.23	0.04
Springfield (western MA), MA	Ozone	Moderate	50	-	0.69	0.63	0.11
Springfield, MA	CO	Maintenance	100	-	0.12	0.11	0.02
St. Louis, MO	CO	Maintenance	100	-	0.57	0.53	0.09
St. Louis, MO-IL	Ozone	Moderate	50	-	2.14	1.98	0.34
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2.13	1.96	0.33

Appendix B

Table B.1-200							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acetaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.15	0.14	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.03	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.06	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.01
Stockton, CA	CO	Maintenance	100	-	0.47	0.43	0.07
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.37	0.34	0.06
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.09	0.08	0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.04	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.40	0.37	0.06
Toms River, NJ	CO	Maintenance	100	-	0.09	0.09	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.08	0.08	0.01
Trenton, NJ	CO	Maintenance	100	-	0.07	0.07	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.88	0.81	0.14
Utah County, UT	PM ₁₀	Moderate	100	-	0.43	0.40	0.07
Vancouver, WA	CO	Maintenance	100	-	0.29	0.27	0.05
Ventura County, CA	Ozone	Serious	50	-	0.79	0.73	0.10
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.09	0.08	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.04	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.03	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.16	0.15	0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	1.31	1.21	0.21

Appendix B

Table B.1-200
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.68	4.32	0.73
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.57	4.22	0.72
Washoe County, NV	PM ₁₀	Serious	70	-	0.19	0.18	0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.05	0.04	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.10	0.09	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.10	0.09	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.09	0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.33	0.30	0.05
Worcester, MA	CO	Maintenance	100	-	0.20	0.18	0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.08	0.07	0.01
Yakima, WA	CO	Maintenance	100	-	0.04	0.03	0.01
York, PA	Ozone	Maintenance	100	-	0.37	0.34	0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.29	0.26	0.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.43	0.39	0.07
Yuma, AZ	PM ₁₀	Moderate	100	-	0.17	0.16	0.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	-	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Albuquerque, NM	CO	Maintenance	100	-	-	-	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	-	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	-	0.01
Altoona, PA	Ozone	Maintenance	100	-	-	-	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Anchorage, AK	CO	Maintenance	100	-	-	-	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	-	-	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	-	0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.12
Atlantic City, NJ	CO	Maintenance	100	-	-	-	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	-	-	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	-	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	-0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.08	-0.11	-0.19
Benton County, TN	SO _x	Maintenance	100	-	-	-	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	-	0.00
Benzie County, MI	Ozone	Maintenance	100	-	-	-	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	-	0.00
Billings, MT	CO	Maintenance	100	-	-	-	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	-0.00	0.02

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	-	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	-	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	-	0.00
Boston, MA	CO	Maintenance	100	-	-	-	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	-	0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	-	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	-	-	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Burlington, NJ	CO	Maintenance	100	-	-	-	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	-	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Case County, MI	Ozone	Maintenance	100	-	-	-	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	-	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	-	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	-	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Charlotte, NC	CO	Maintenance	100	-	-	-	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	-	0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	-	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	-	0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.13
Chico, CA	CO	Maintenance	100	-	-	-	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	-	0.04

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	-	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	-	0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	-	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	-	0.00
Cleveland, OH	CO	Maintenance	100	-	-	-	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	-	0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	-	0.01
Colbert County, AL	SO _x	Maintenance	100	-	-	-	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	-	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	-	0.01
Columbus, OH	Ozone	Maintenance	100	-	-	-	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	-	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	-	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	-	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	-	0.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	-	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	-	0.05
Denver-Boulder, CO	CO	Maintenance	100	-	-	-	0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	-	0.06
Detroit, MI	CO	Maintenance	100	-	-	-	0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	-	0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	-	0.08

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Duluth, MN	CO	Maintenance	100	-	-	-	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	-	0.00
East Chicago, IN	CO	Maintenance	100	-	-	-	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	-	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	-	0.01
El Paso, TX	CO	Maintenance	100	-	-	-	0.00
Erie, PA	Ozone	Maintenance	100	-	-	-	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	-	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Evansville, IN	Ozone	Maintenance	100	-	-	-	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Fairbanks, AK	CO	Maintenance	100	-	-	-	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	-	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Flint, MI	Ozone	Maintenance	100	-	-	-	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	-	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	-	0.01
Franklin County, PA	Ozone	Maintenance	100	-	-	-	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	-	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	-	-	0.01

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	-	0.00
Fresno, CA	CO	Maintenance	100	-	-	-	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	-	-	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	-	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	-	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Great Falls, MT	CO	Maintenance	100	-	-	-	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	-	0.03
Greeley, CO	CO	Maintenance	100	-	-	-	0.00
Green Bay, WI	SO _x	Maintenance	100	-	-	-	0.00
Greene County, IN	Ozone	Maintenance	100	-	-	-	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	-	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	-	0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	-	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	-	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	-	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	-	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	-	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	-	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	-	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	-	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	-	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	-	-	0.00

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.12	-0.15	-0.16
Humphreys County, TN	SO _x	Maintenance	100	-	-	-	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	-	0.00
Huron County, MI	Ozone	Maintenance	100	-	-	-	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	-	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	-	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	-	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	-	0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Jackson County, IN	Ozone	Maintenance	100	-	-	-	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	-	0.00
Jefferson County, NY	Ozone	Moderate	50	-	-	-	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	-	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	-	0.00
Johnstown, PA	Ozone	Maintenance	100	-	-	-	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	-	-	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	-	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	-	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	-	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	-	-	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	-	0.00

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	-	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
La Porte County, IN	SO _x	Maintenance	100	-	-	-	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	-	0.01
Lake County, OH	SO _x	Maintenance	100	-	-	-	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	-	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	-	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	-	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	-	-	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	-	0.01
LaPorte, IN	Ozone	Maintenance	100	-	-	-	0.00
Las Vegas, NV	CO	Serious	100	-	-	-	0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	-	0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	-	-	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	-	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Lima, OH	Ozone	Maintenance	100	-	-	-	0.00
Longmont, CO	CO	Maintenance	100	-	-	-	0.00
Lorain County, OH	SO _x	Maintenance	100	-	-	-	0.00

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.01	-0.01	0.25
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.01	-0.01	0.25
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.01	-0.01	0.25
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	0.25
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	0.25
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	-0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	-	-	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	-	0.02
Lowell, MA	CO	Maintenance	100	-	-	-	0.00
Lucas County, OH	SO _x	Maintenance	100	-	-	-	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Macon, GA	Ozone	Maintenance	100	-	-	-	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	-	0.00
Madison, WI	SO _x	Maintenance	100	-	-	-	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Manchester, NH	CO	Maintenance	100	-	-	-	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	-	0.00
Marion County, IN	SO _x	Maintenance	100	-	-	-	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Mason County, MI	Ozone	Maintenance	100	-	-	-	0.00
Medford, OR	CO	Maintenance	100	-	-	-	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	-	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	-	-	0.02
Memphis, TN	CO	Maintenance	100	-	-	-	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	-	0.00

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	-	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	-	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	-	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.01	0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	-	0.05
Missoula, MT	CO	Maintenance	100	-	-	-	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Modesto, CA	CO	Maintenance	100	-	-	-	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Morristown, NJ	CO	Maintenance	100	-	-	-	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	-	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	-	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	-	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	-	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	-	0.00
Nashua, NH	CO	Maintenance	100	-	-	-	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	-	0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	-	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	-	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	-	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	-	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	-	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	-	0.27
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	-	0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	-	0.03
Ogden, UT	CO	Maintenance	100	-	-	-	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	-	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	-	-	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	-	-	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	-	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	-	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	-	-	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	-	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	-	0.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	-	0.12
Phoenix, AZ	CO	Maintenance	100	-	-	-	0.08
Phoenix, AZ	PM ₁₀	Serious	70	-	-	-	0.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	-	0.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	-	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	-	0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.03
Polk County, TN	SO _x	Maintenance	100	-	-	-	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Portland, ME	Ozone	Maintenance	100	-	-	-	0.01

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	-0.00	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	-	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	-	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	-	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	-	0.02
Provo, UT	CO	Maintenance	100	-	-	-	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	-	-	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	-	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	-	0.00
Reading, PA	Ozone	Maintenance	100	-	-	-	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Reno, NV	CO	Maintenance	100	-	-	-	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	-	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	-	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	-	-	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	-	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	-	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	-	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	-	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-	-	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	-	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	-	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	-	-	0.05
Sacramento, CA	CO	Maintenance	100	-	-	-	0.03
Salem, OR	CO	Maintenance	100	-	-	-	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	-	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	-	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
San Diego, CA	CO	Maintenance	100	-	-	-	0.07
San Diego, CA	Ozone	Former Subpart 1	50	-	-	-	0.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	-	0.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	-	0.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	-0.00	0.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	-	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	-	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	-	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	-	0.05
Sheboygan, WI	Ozone	Moderate	50	-	-	-	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	-	-	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	-	0.00
Somerville, NJ	CO	Maintenance	100	-	-	-	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	-	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	-	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Spokane, WA	CO	Maintenance	100	-	-0.00	-0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	-	-	0.02
Springfield, MA	CO	Maintenance	100	-	-	-	0.00
St. Louis, MO	CO	Maintenance	100	-	-	-	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	-	-	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	-	0.05

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	-	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	-	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Stockton, CA	CO	Maintenance	100	-	-	-	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	-	0.00
Syracuse, NY	CO	Maintenance	100	-	-	-	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	-	-	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	-	0.00
Tioga County, PA	Ozone	Maintenance	100	-	-	-	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	-	0.01
Toms River, NJ	CO	Maintenance	100	-	-	-	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	-	-	0.00
Trenton, NJ	CO	Maintenance	100	-	-	-	0.00
Trona, CA	PM ₁₀	Moderate	100	-	-	-	0.00
Tucson, AZ	CO	Maintenance	100	-	-	-	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	-	-	0.01
Vancouver, WA	CO	Maintenance	100	-	-	-	0.01
Ventura County, CA	Ozone	Serious	50	-	-0.00	-0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	-	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Waltham, MA	CO	Maintenance	100	-	-	-	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	-	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	-	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	-	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	-	-	0.03

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Table B.1-201							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	-	0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	-	0.10
Washoe County, NV	PM ₁₀	Serious	70	-	-	-	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	-	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	-	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	-	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	-	0.00
Winston-Salem, NC	CO	Maintenance	100	-	-	-	0.01
Worcester, MA	CO	Maintenance	100	-	-	-	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	-	0.00
Yakima, WA	CO	Maintenance	100	-	-	-	0.00
York, PA	Ozone	Maintenance	100	-	-	-	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	-	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	-	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	-	-	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Albuquerque, NM	CO	Maintenance	100	-	-	0.00	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.02	0.43
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.43
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.01	0.19
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.19
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.02	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.17	-0.24	-0.37
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.01
Billings, MT	CO	Maintenance	100	-	-	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.00	0.06

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Boston, MA	CO	Maintenance	100	-	-	0.00	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.02	0.32
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.00	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	-	0.00	0.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.00	0.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.02	0.45
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.46
Chico, CA	CO	Maintenance	100	-	-	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.01	0.13

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Table B.1-202							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.12
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.00	0.10
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	-	0.00	0.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.01	0.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.15
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.04
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	0.00	0.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.04
Columbus, OH	Ozone	Maintenance	100	-	-	0.01	0.11
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.00	0.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.02	0.44
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.00	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.01	0.19
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.01	0.18
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.01	0.23
Detroit, MI	CO	Maintenance	100	-	-	0.00	0.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.01	0.29

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Table B.1-202							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.03

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	-	0.00	0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.00	0.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.00	0.10
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.00	0.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.05
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.00	0.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.23	-0.32	-0.18
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.01	0.13
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.01	0.11
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.00

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.06
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	-	0.00	0.10
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.00	0.10
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.00

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.02	0.02	0.93
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.02	0.02	0.93
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.02	0.02	0.93
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.02	0.02	0.93
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.02	0.02	0.93
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.00	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.00	0.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.07
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Medford, OR	CO	Maintenance	100	-	-	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.00	0.06
Memphis, TN	CO	Maintenance	100	-	-	0.00	0.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.01	0.11
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.01	0.16
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.01	0.18
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.00	0.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.00	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.02	0.50
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.04	0.94
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.04	0.93
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.00	0.10
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.01	0.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.02	0.41
Phoenix, AZ	CO	Maintenance	100	-	-	0.01	0.30
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.01	0.31
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.01	0.31
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.01	0.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.12
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.00	0.04

Appendix B

Table B.1-202							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.00	0.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.00	0.09
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.00	0.06
Provo, UT	CO	Maintenance	100	-	-	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.00	0.08
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.01	0.11
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Reno, NV	CO	Maintenance	100	-	-	0.00	0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.00	0.08
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.00	0.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.00	0.09
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.01	0.17
Sacramento, CA	CO	Maintenance	100	-	-	0.01	0.11
Salem, OR	CO	Maintenance	100	-	-	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.02	-0.01

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Table B.1-202
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.04
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.00	0.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.01	0.12
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
San Diego, CA	CO	Maintenance	100	-	-	0.01	0.26
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.26
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.02	0.41
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.02	0.46
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.01	0.28
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.28
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.00	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.01	0.19
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	-0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.00	0.06
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	-	0.00	0.06
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.01	0.19
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.01	0.19

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Table B.1-202							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	-	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.00	0.06
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.00	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.00	0.10

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Table B.1-202							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.02	0.34
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.34
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.03
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.00
York, PA	Ozone	Maintenance	100	-	-	0.00	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.00	0.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.32
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.15
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.10	1.77
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	1.77
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.09
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.05	0.77
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.77
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	0.10
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.49	-0.73	-0.95
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.25

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Table B.1-203							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.21
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.08	1.29
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.17
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.28
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.07
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.20
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.03	0.43
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.13
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.09	0.11	1.81
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.11	1.88
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.50

Appendix B

**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.48
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.02	0.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.21
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.04	0.63
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.19
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.16
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.03	0.45
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.41
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.21
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.18
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.09	0.11	1.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.20
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.05	0.80
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.04	0.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.06	0.96
Detroit, MI	CO	Maintenance	100	-	0.02	0.02	0.36
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.05	0.07	1.15
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.05	0.07	1.13

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Table B.1-203							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.13
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.09
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.11

Appendix B

**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.16
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.21
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.40
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.02	0.40
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.20
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.22
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.02	0.26
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.07
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.61	-0.92	0.03
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.03	0.52
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.41
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.03
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.12
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.03	0.43
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.32
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.24
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.12
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Las Vegas, NV	CO	Serious	100	-	0.02	0.02	0.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.02	0.42
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-203
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.13	0.15	3.90
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.13	0.15	3.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.13	0.15	3.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.13	0.15	3.90
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.13	0.15	3.90
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.02	0.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.26
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.24
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-203							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.13
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.03	0.45
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	-0.01	0.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.04	0.72
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.03	0.43
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.09	0.11	1.91
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.17	0.22	3.70
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.17	0.22	3.66
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.02	0.39
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.09
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	0.06	1.09
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.08	0.09	1.61
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.08	1.42
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.09	1.46
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.09	1.46
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.44
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.14

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Acrolein 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.28
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.02	0.37
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.25
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.04
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.02	0.35
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.03	0.47
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.08
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.06
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.30
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.19
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.06
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.33
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.03	0.43
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.05	0.78
Sacramento, CA	CO	Maintenance	100	-	0.02	0.03	0.48
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.05	-0.02

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Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.04	0.19
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.26
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.03	0.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.11
San Diego, CA	CO	Maintenance	100	-	0.05	0.07	1.16
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.07	1.16
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.08	0.10	1.71
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.09	0.11	1.93
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.06	1.26
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.06	1.26
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	1.26
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.17
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.05	0.78
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.22
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.04
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.20
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.04	0.71
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.70

Appendix B

Table B.1-203							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.13
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.13
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.02	0.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.13
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.09
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.02	0.40

Appendix B

Table B.1-203							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.07	0.08	1.42
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.07	0.08	1.39
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.06
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.10
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.11
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.15
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.51
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.02	0.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.02	0.23
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.06
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.25	0.28	2.88
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.25	0.28	2.88
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.01	0.15
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.11	0.12	1.24
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.11	0.12	1.24
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.07	0.16
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.98	-1.23	-1.49
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.06
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.06
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	0.37

Appendix B

Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.37
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.14
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.14
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.03	0.33
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.18	0.19	2.02
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.27
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	0.43
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.09
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Charlotte, NC	CO	Maintenance	100	-	0.03	0.03	0.32
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.07	0.70
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.20
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.19
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.26	0.28	2.90
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.26	0.29	3.00
Chico, CA	CO	Maintenance	100	-	0.01	0.01	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.07	0.07	0.78

Appendix B

**Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.07	0.75
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.07	0.71
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Cleveland, OH	CO	Maintenance	100	-	0.03	0.03	0.30
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.09	0.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.08	0.87
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.03	0.33
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.03	0.27
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	0.26
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.07	0.73
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.68
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.03	0.30
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.02	0.26
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.28	0.30	3.14
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.03	0.03	0.30
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.26
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.12	0.13	1.31
Denver-Boulder, CO	CO	Maintenance	100	-	0.11	0.12	1.26
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.14	0.15	1.59
Detroit, MI	CO	Maintenance	100	-	0.04	0.05	0.47
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.16	0.17	1.80
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.16	0.17	1.77

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Table B.1-204							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.02	0.20
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.08
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.09
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.02	0.19
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	0.14
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.02	0.19

Appendix B

Table B.1-204							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Acrolein 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	0.26
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.03	0.34
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.06	0.61
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.06	0.62
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.30
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.03	0.33
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.03	0.36
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.33
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.04	0.38
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.06
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.11
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

Appendix B

**Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.15	-1.48	0.12
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.11
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.10
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.10
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.08	0.83
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.66
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.02	0.19
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.07	0.70
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.06
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

Appendix B

Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.05	0.05	0.52
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.40
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.11
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.02	0.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.02	0.18
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.06	0.07	0.71
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.07	0.72
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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**Table B.1-204
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Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.47	0.49	6.38
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.47	0.49	6.38
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.47	0.49	6.38
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.47	0.49	6.38
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.47	0.49	6.38
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.03	0.30
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.04	0.42
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.40
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.10
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.11
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.11
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.03	0.35
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	0.33
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-204
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Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	0.19
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.07	0.71
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.03	1.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.10	0.11	1.16
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.07	0.69
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.03	0.29
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.26	0.28	2.94
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.51	0.55	5.76
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.50	0.55	5.70
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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**Table B.1-204
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Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.06	0.60
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	0.13
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.15	0.16	1.67
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.22	0.24	2.48
Phoenix, AZ	CO	Maintenance	100	-	0.22	0.24	2.54
Phoenix, AZ	PM ₁₀	Serious	70	-	0.23	0.25	2.61
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.23	0.25	2.62
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.07	0.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.66
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	0.22

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Table B.1-204
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.04	0.04	0.44
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.06	0.62
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	0.04	0.40
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.07
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.06	0.58
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.07	0.78
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.13
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.10
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.05	0.47
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.03	0.33
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.05	0.51
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.07	0.73
Sacramento Metro, CA	Ozone	Severe	25	-	0.12	0.13	1.36
Sacramento, CA	CO	Maintenance	100	-	0.07	0.08	0.83
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.06	-0.08	-0.03

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Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.03	-0.05	0.31
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.04	0.42
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.07	0.07	0.78
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	0.18
San Diego, CA	CO	Maintenance	100	-	0.17	0.19	1.96
San Diego, CA	Ozone	Former Subpart 1	50	-	0.17	0.19	1.97
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.25	0.27	2.82
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.28	0.30	3.17
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.17	0.18	2.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.17	0.18	2.16
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.17	0.18	2.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.02	0.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.11	0.12	1.27
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.02	0.17
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.12
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.03	0.34
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.06
St. Louis, MO	CO	Maintenance	100	-	0.02	0.03	0.28
St. Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.10	1.06
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.10	1.06

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Acrolein 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.02	0.02	0.23
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.02	0.02	0.19
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	0.20
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.04	0.44
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.02	0.21
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.14
Ventura County, CA	Ozone	Serious	50	-	0.03	0.04	0.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	0.06	0.06	0.65

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**Table B.1-204
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Acrolein 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.21	0.22	2.32
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.20	0.22	2.27
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.10
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.16
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.02	0.02	0.18
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.14
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	0.21
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.08

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.09	-0.14	-0.50
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	-0.10
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.07
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Anchorage, AK	CO	Maintenance	100	-	-0.04	-0.05	-0.13
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.21	0.19	-0.92
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.21	0.19	-0.92
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.00	-0.08
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.16	0.18	-0.24
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.16	0.18	-0.24
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	-0.22
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.11
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.03	-0.14

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.14
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.03	-0.11
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.11
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.05	0.05	-0.06
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.30	0.33	-0.37
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.04	-0.05
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.00	-0.06
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.06
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.04
Charlotte, NC	CO	Maintenance	100	-	0.03	0.03	-0.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.03	-0.26
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.18
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.16
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.34	0.36	-0.69
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.35	0.36	-0.73
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.27

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.06	-0.26
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.07	0.07	-0.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.11
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Cleveland, OH	CO	Maintenance	100	-	0.02	0.02	-0.16
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.09	0.08	-0.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-0.32
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.04	0.04	-0.04
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.13
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.04	-0.21
Columbus, OH	Ozone	Maintenance	100	-	0.03	0.02	-0.29
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.25
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.13
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.26	0.25	-0.84
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.13
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.12
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.16	0.18	-0.23
Denver-Boulder, CO	CO	Maintenance	100	-	0.16	0.17	-0.23
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.16	0.16	-0.38
Detroit, MI	CO	Maintenance	100	-	0.03	0.02	-0.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.10	0.07	-0.78
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.07	-0.75

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Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.00	-0.09
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.03	-0.10
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.10
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.05
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.08
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.08
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.00	-0.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.13
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.00	-0.07

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.03	0.03	-0.06
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.14
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.08	-0.17
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.04	-0.23
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.10
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.07	-0.31
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.06	-0.10
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.03
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.06	-0.15	-1.37
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.11
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.35
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.27
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.03
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.11
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.06	-0.10	-0.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.07	-0.36
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.06	-0.30
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.04
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.05
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Las Vegas, NV	CO	Serious	100	-	0.07	0.07	-0.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.73	0.77	-1.48
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.73	0.77	-1.48
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.73	0.77	-1.48
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.73	0.77	-1.48
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.73	0.77	-1.48
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.04	-0.06
Louisville, KY-IN	Ozone	Maintenance	100	-	0.04	0.03	-0.16
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.16
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.09
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.00	-0.20
Memphis, TN	CO	Maintenance	100	-	0.03	0.03	-0.13
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.02	-0.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.06	-0.24
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	-0.05	-0.66
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.01	-0.05	-0.64
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.23
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.04	-0.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.87	-1.14	-2.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.36	-1.88	-5.07
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.04	-1.54	-5.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.02	-1.52	-5.73
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.06	0.06	-0.19
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.02	-0.04
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.11	0.09	-0.70
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.22	0.20	-0.89
Phoenix, AZ	CO	Maintenance	100	-	0.23	0.25	-0.39
Phoenix, AZ	PM ₁₀	Serious	70	-	0.24	0.25	-0.40
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.24	0.26	-0.40
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.35
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.30
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.05

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.03	-0.18
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.05	-0.17
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.02	-0.16
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.03
Raleigh-Durham, NC	CO	Maintenance	100	-	0.06	0.06	-0.14
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.07	0.07	-0.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.05	0.05	-0.14
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.04	0.04	-0.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.05
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.16
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.07	0.08	-0.13
Sacramento Metro, CA	Ozone	Severe	25	-	0.11	0.12	-0.27
Sacramento, CA	CO	Maintenance	100	-	0.08	0.09	-0.15
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.03

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.04	0.04	-0.13
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.48
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.04
San Diego, CA	CO	Maintenance	100	-	0.23	0.25	-0.31
San Diego, CA	Ozone	Former Subpart 1	50	-	0.23	0.25	-0.31
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.31	0.32	-0.62
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.36	0.38	-0.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.15	0.14	-0.58
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.15	0.14	-0.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.15	0.14	-0.58
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.03	-0.08	-0.72
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.00	-0.08
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.08
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.01	-0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.06	-0.07
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
St. Louis, MO	CO	Maintenance	100	-	0.00	-0.01	-0.20
St. Louis, MO-IL	Ozone	Moderate	50	-	0.07	0.05	-0.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.07	0.05	-0.49

Appendix B

Table B.1-205							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Stockton, CA	CO	Maintenance	100	-	0.02	0.02	-0.05
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.00	-0.01	-0.12
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.01	-0.08
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.04	-0.11
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.08
Vancouver, WA	CO	Maintenance	100	-	0.01	0.00	-0.05
Ventura County, CA	Ozone	Serious	50	-	0.04	0.05	-0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.09	-0.13

Appendix B

**Table B.1-205
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.28	0.30	-0.46
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.28	0.30	-0.44
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.07
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.07
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.18	-0.31	-1.83
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.01	-0.56
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.16
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.48
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.00	-0.10
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.12
Anchorage, AK	CO	Maintenance	100	-	-0.08	-0.12	-0.36
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.42	0.33	-5.89
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.42	0.33	-5.89
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.00	-0.43
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.32	0.35	-2.26
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.32	0.35	-2.26
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.10	-0.89
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.04	-0.47
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.02	-0.22
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Billings, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.06	0.05	-0.89

Appendix B

Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.06	0.05	-0.90
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.03	-0.06	-0.43
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.03	-0.06	-0.43
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.10	0.11	-0.63
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.59	0.64	-3.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.08	-0.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.09	0.08	-0.97
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.30
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.30
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.05
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.02	-0.24
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.24
Charlotte, NC	CO	Maintenance	100	-	0.07	0.06	-0.60
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.08	0.05	-1.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.05	-0.09	-0.70
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.04	-0.08	-0.64
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.67	0.69	-5.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.68	0.68	-5.82
Chico, CA	CO	Maintenance	100	-	0.01	0.01	-0.09
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.13	0.10	-1.73

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Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.13	0.10	-1.66
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.14	0.14	-1.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.07	-0.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.23
Cleveland, OH	CO	Maintenance	100	-	0.04	0.02	-0.88
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.17	0.14	-2.25
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.16	0.13	-2.07
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.08	0.09	-0.46
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.08
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.03	-0.64
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.10	-0.82
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.02	-1.60
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.03	-1.45
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	0.02	-0.88
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	0.01	-0.72
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.53	0.48	-5.88
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.02	-0.77
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.02	-0.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.33	0.35	-2.24
Denver-Boulder, CO	CO	Maintenance	100	-	0.31	0.33	-2.15
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.32	0.32	-2.91
Detroit, MI	CO	Maintenance	100	-	0.06	0.01	-1.52
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.19	0.08	-4.36
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.19	0.09	-4.25

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Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.01	-0.10
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.17
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.00	-0.47
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.04	-0.07	-0.36
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.34
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.25
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.36
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.06
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.24
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.46
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.01	-0.18
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.04	-0.07	-0.48
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.03	-0.05	-0.21
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.00	-0.39

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Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.06	0.06	-0.46
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.01	-0.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.05
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.15	0.15	-1.32
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.12
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.06
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.07
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	0.07	-1.45
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-0.67
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.09	-0.17	-1.20
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.00	-0.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.07	0.07	-0.71
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-0.66
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.11	-0.83
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.27
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.11	-0.40	-6.23
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.07	-0.42
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.04	-0.23
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.02	-0.18
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.01	-1.92
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	0.02	-1.50
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.15
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.10
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.04	-0.06	-0.32
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.11
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.13
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.02	-0.52
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.12	-0.24	-2.08
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.08
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.08

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**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.08	-0.17	-1.48
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.08	-0.15	-1.18
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.25
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.35
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.35
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.39
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.13
Las Vegas, NV	CO	Serious	100	-	0.14	0.14	-1.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.14	0.14	-1.22
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.06
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.04

Appendix B

**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.45	1.48	-12.07
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.45	1.48	-12.07
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.45	1.48	-12.07
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.45	1.48	-12.07
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.45	1.48	-12.07
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.07	-0.54
Louisville, KY-IN	Ozone	Maintenance	100	-	0.07	0.05	-1.00
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.04	-0.98
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.27
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.04	-0.28
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.28
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.23
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.08
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.34
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.39
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.03
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	-0.02	-1.00
Memphis, TN	CO	Maintenance	100	-	0.05	0.04	-0.82
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.02	-0.47
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.12	0.10	-1.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.02	-0.15	-3.09
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.02	-0.15	-3.01
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.12
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.11
Modesto, CA	CO	Maintenance	100	-	0.02	0.01	-0.28
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
Muncie, IN	Ozone	Maintenance	100	-	-0.03	-0.04	-0.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.15
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.10	0.08	-1.45
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.11
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.07	0.07	-0.63
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.68	-2.49	-5.10
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.65	-4.23	-15.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.02	-3.59	-21.17
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.98	-3.54	-20.95
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

Appendix B

**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.12	0.11	-1.32
Ogden, UT	CO	Maintenance	100	-	0.01	0.00	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.11
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.17
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.17
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.04	-0.30
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.21	0.13	-4.07
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.42	0.34	-5.70
Phoenix, AZ	CO	Maintenance	100	-	0.49	0.52	-3.60
Phoenix, AZ	PM ₁₀	Serious	70	-	0.51	0.54	-3.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.51	0.54	-3.73
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	0.02	-1.91
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.04	-1.70
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.06	-0.43

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Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.06	0.04	-1.05
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.10	0.09	-1.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.02	-0.91
Provo, UT	CO	Maintenance	100	-	0.01	0.00	-0.15
Raleigh-Durham, NC	CO	Maintenance	100	-	0.12	0.12	-1.05
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.15	0.14	-1.46
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.29
Reno, NV	CO	Maintenance	100	-	0.02	0.03	-0.19
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.10	0.09	-1.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.08	0.09	-0.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.26
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.00	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.10	0.09	-1.12
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.19
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.15
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.15	0.16	-1.15
Sacramento Metro, CA	Ozone	Severe	25	-	0.24	0.24	-2.16
Sacramento, CA	CO	Maintenance	100	-	0.17	0.18	-1.29
Salem, OR	CO	Maintenance	100	-	0.01	0.00	-0.12
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.18

Appendix B

Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.07	0.06	-0.88
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.07	0.06	-0.88
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.06	-0.17	-2.12
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	0.05	-0.33
San Diego, CA	CO	Maintenance	100	-	0.47	0.51	-3.08
San Diego, CA	Ozone	Former Subpart 1	50	-	0.47	0.51	-3.09
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.61	0.63	-5.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.71	0.73	-5.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.31	0.27	-3.92
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.32	0.27	-3.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.31	0.27	-3.92
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.62
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.05	-0.20	-3.29
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.11
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	-0.00	-0.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.14
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.34
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.03	-0.34
Springfield (western MA), MA	Ozone	Moderate	50	-	0.10	0.11	-0.66
Springfield, MA	CO	Maintenance	100	-	0.02	0.02	-0.11
St. Louis, MO	CO	Maintenance	100	-	0.00	-0.04	-0.96
St. Louis, MO-IL	Ozone	Moderate	50	-	0.12	0.06	-2.76
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.12	0.05	-2.75

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Table B.1-206							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.13
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	-0.15
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.15
Stockton, CA	CO	Maintenance	100	-	0.04	0.04	-0.39
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.03	-0.56
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.19
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.05
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.02	-0.49
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.14
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.08	0.08	-0.82
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.01	-0.45
Vancouver, WA	CO	Maintenance	100	-	0.01	0.00	-0.29
Ventura County, CA	Ozone	Serious	50	-	0.09	0.10	-0.63
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.19
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.26
Washington, DC-MD-VA	CO	Maintenance	100	-	0.17	0.18	-1.18

Appendix B

**Table B.1-206
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.56	0.59	-4.14
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.56	0.59	-4.02
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.03	-0.19
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.07
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.03	-0.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.21
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.01	-0.39
Worcester, MA	CO	Maintenance	100	-	0.02	0.03	-0.16
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.12
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.05
York, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.41
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.30
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.02	-0.58
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.16

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-207
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.28	-1.04	-11.35
Albuquerque, NM	CO	Maintenance	100	-	0.18	-0.02	-4.42
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	-0.04	-1.23
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.26	0.11	-4.27
Altoona, PA	Ozone	Maintenance	100	-	0.02	-0.02	-0.74
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.07	-1.40
Anchorage, AK	CO	Maintenance	100	-	-0.19	-0.35	-1.72
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.06
Atlanta, GA	Ozone	Moderate	50	-	2.71	0.67	-51.56
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.71	0.67	-51.59
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.01	-0.35
Bakersfield, CA	CO	Maintenance	100	-	0.15	-0.01	-3.53
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.07
Baltimore, MD	Ozone	Moderate	50	-	1.57	0.87	-21.62
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.57	0.87	-21.62
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.37	-5.97
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.01	-0.17	-3.13
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.09	-1.37
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	-0.06	-1.24
Billings, MT	CO	Maintenance	100	-	-0.01	-0.06	-0.63
Birmingham, AL	Ozone	Maintenance	100	-	0.36	0.06	-7.22

Appendix B

Table B.1-207							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.36	0.06	-7.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.20	-2.87
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.20	-2.87
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.16
Boston, MA	CO	Maintenance	100	-	0.44	0.25	-5.86
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.72	1.59	-35.76
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.36	0.21	-4.67
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.12
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.46	0.15	-8.17
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.22
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.18
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.06	-0.04	-2.16
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.06	-0.04	-2.16
Case County, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.34
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.02	-1.87
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.02	-1.87
Charlotte, NC	CO	Maintenance	100	-	0.36	0.16	-5.57
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.59	0.05	-12.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.04	-0.32	-4.50
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.03	-0.28	-4.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.43	1.64	-51.39
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.49	1.62	-53.25
Chico, CA	CO	Maintenance	100	-	0.06	0.02	-0.94
Chico, CA	Ozone	Former Subpart 1	50	-	0.12	0.05	-2.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.75	0.16	-14.53

Appendix B

**Table B.1-207
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.74	0.18	-14.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.09
Clark County, NV	PM ₁₀	Serious	70	-	0.79	0.37	-11.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.06	-0.22	-2.39
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.02	-0.11	-1.49
Cleveland, OH	CO	Maintenance	100	-	0.24	-0.05	-6.43
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.93	0.20	-18.32
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.86	0.18	-16.82
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.41	0.25	-5.13
Colbert County, AL	SO _x	Maintenance	100	-	-0.01	-0.04	-0.46
Colorado Springs, CO	CO	Maintenance	100	-	0.12	-0.12	-4.96
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.02	-0.35	-5.46
Columbus, OH	Ozone	Maintenance	100	-	0.56	-0.02	-13.34
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.55	0.03	-12.33
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.24	-0.05	-6.43
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.20	-0.04	-5.34
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.21	1.17	-54.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.25	-0.01	-5.96
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.22	-0.00	-5.24
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.65	0.93	-22.23
Denver-Boulder, CO	CO	Maintenance	100	-	1.57	0.88	-21.28
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.77	0.79	-27.37
Detroit, MI	CO	Maintenance	100	-	0.40	-0.10	-10.93
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.41	-0.11	-34.61
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.41	-0.07	-33.89

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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.27
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.25
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.20
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.05	-0.65
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.11
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.09	0.04	-1.40
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.15	-0.02	-3.77
El Paso, TX	CO	Maintenance	100	-	0.01	-0.00	-0.23
Erie, PA	Ozone	Maintenance	100	-	0.08	0.01	-1.61
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.09	-0.24	-2.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.08	-0.23	-2.08
Evansville, IN	Ozone	Maintenance	100	-	0.06	-0.03	-1.92
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.04	-0.09	-2.53
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.06	-0.25
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.13	0.05	-2.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.07
Flint, MI	Ozone	Maintenance	100	-	0.18	0.02	-3.73
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.05	-0.02	-1.48
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.04	-0.24	-3.12
Franklin County, PA	Ozone	Maintenance	100	-	0.00	-0.07	-1.28
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.06	-0.15	-1.22
Fredericksburg, VA	Ozone	Maintenance	100	-	0.15	0.00	-3.42

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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.14
Fresno, CA	CO	Maintenance	100	-	0.31	0.16	-4.46
Grand Rapids, MI	Ozone	Maintenance	100	-	0.26	-0.03	-6.36
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.26
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.32
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	0.72	0.31	-11.42
Greeley, CO	CO	Maintenance	100	-	0.01	-0.04	-1.04
Green Bay, WI	SO _x	Maintenance	100	-	0.04	-0.00	-0.94
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.02	-0.40
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.39
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.57	0.09	-11.80
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.33	0.11	-5.66
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.13	-0.61	-7.45
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.16
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	0.00	-0.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.38	0.15	-6.37
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.13	-5.89
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.49	0.24	-7.22
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.08
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.31
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	-0.00	-0.30
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.00	-1.25
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.09	-0.00	-2.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Benzene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	0.83	-1.55	-46.04
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.06	-0.23	-2.52
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.04	-0.13	-1.33
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.23
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.05	-1.73
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.05	-1.69
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.24
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.61	-0.08	-15.57
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.51	-0.03	-12.31
Jackson County, IN	Ozone	Maintenance	100	-	0.00	-0.03	-0.63
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	-0.01	-1.14
Jefferson County, NY	Ozone	Moderate	50	-	0.05	0.02	-0.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.07	-0.20	-1.89
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.03	-0.69
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.04	-0.78
Juneau, AK	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.17
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.09	-0.10	-3.84
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.28
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.01	-0.84	-14.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.06	-1.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.22
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	-0.00	-0.61
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	-0.00	-0.18
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.09
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.06	-0.45

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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.45
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.02	-0.57	-10.43
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.03	-0.50	-8.06
La Porte County, IN	SO _x	Maintenance	100	-	-0.01	-0.03	-0.28
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.15
Lake County, IN	SO _x	Maintenance	100	-	0.13	0.05	-2.05
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.25
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.01	-0.25
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.03	-0.55
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.14
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.22	0.11	-3.23
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.11	-3.23
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.21	0.08	-3.41
LaPorte, IN	Ozone	Maintenance	100	-	-0.02	-0.07	-0.79
Las Vegas, NV	CO	Serious	100	-	0.79	0.37	-11.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.80	0.38	-12.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.01	-0.60
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.09
Lima, OH	Ozone	Maintenance	100	-	-0.02	-0.08	-0.91
Longmont, CO	CO	Maintenance	100	-	0.06	0.04	-0.69
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.33

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Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	7.65	3.70	-113.84
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	7.65	3.70	-113.84
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	7.65	3.70	-113.84
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	7.65	3.70	-113.84
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	7.65	3.70	-113.83
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.36	0.18	-5.18
Louisville, KY-IN	Ozone	Maintenance	100	-	0.39	0.06	-8.10
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.37	0.04	-7.80
Lowell, MA	CO	Maintenance	100	-	0.06	0.04	-0.82
Lucas County, OH	SO _x	Maintenance	100	-	0.09	0.00	-2.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.42
Macon, GA	Ozone	Maintenance	100	-	-0.04	-0.15	-1.69
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.04	-0.15	-1.67
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.09	0.01	-1.98
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.09
Manchester, NH	CO	Maintenance	100	-	0.04	0.02	-0.49
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.70
Marion County, IN	SO _x	Maintenance	100	-	0.04	-0.08	-2.34
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.03	-0.92
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	-0.15	-2.62
Mason County, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.21
Medford, OR	CO	Maintenance	100	-	0.04	0.02	-0.62
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.04	-1.49
Memphis, TN-AR	Ozone	Maintenance	100	-	0.21	-0.15	-7.29
Memphis, TN	CO	Maintenance	100	-	0.31	0.04	-6.44
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.00	-0.23

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.17	0.02	-3.73
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.70	0.18	-13.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.52	-0.64	-23.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.51	-0.62	-22.56
Missoula, MT	CO	Maintenance	100	-	-0.04	-0.10	-0.63
Missoula, MT	PM ₁₀	Moderate	100	-	-0.04	-0.09	-0.61
Modesto, CA	CO	Maintenance	100	-	0.14	0.04	-2.56
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.02	-0.85
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.25
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.02	-0.23
Muncie, IN	Ozone	Maintenance	100	-	-0.07	-0.15	-1.02
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.13
Muskegon, MI	Ozone	Maintenance	100	-	0.01	-0.05	-1.05
Nashua, NH	CO	Maintenance	100	-	0.03	0.02	-0.40
Nashville, TN	Ozone	Former Subpart 1	50	-	0.64	0.14	-12.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.05	-1.22
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.03	-1.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.34	0.14	-5.42
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-4.94	-7.57	-15.65
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-6.54	-13.42	-79.27
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.28	-11.98	-130.03
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.21	-11.81	-128.78
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.30

Appendix B

**Table B.1-207
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.64	0.22	-11.22
Ogden, UT	CO	Maintenance	100	-	0.03	0.01	-0.50
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.50
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	-0.01	-0.89
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	-0.06	-1.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.07	-1.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.15
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.02	-0.67
Perth Amboy, NJ	CO	Maintenance	100	-	0.05	0.03	-0.62
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.17	0.08	-2.53
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.41	0.02	-32.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.41	0.51	-47.09
Phoenix, AZ	CO	Maintenance	100	-	2.91	1.63	-39.62
Phoenix, AZ	PM ₁₀	Serious	70	-	2.98	1.66	-40.72
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.99	1.66	-40.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	-0.00	-0.20
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.54	-0.11	-14.54
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.54	-0.03	-13.15
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.17
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.03
Portland, ME	Ozone	Maintenance	100	-	0.27	0.14	-3.96

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Table B.1-207
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.39	0.03	-8.50
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.40
Poughkeepsie, NY	Ozone	Moderate	50	-	0.62	0.22	-10.74
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.33	0.01	-7.48
Provo, UT	CO	Maintenance	100	-	0.06	0.01	-1.32
Raleigh-Durham, NC	CO	Maintenance	100	-	0.64	0.29	-9.93
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.84	0.35	-13.58
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.12	0.02	-2.41
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.02	-2.41
Reno, NV	CO	Maintenance	100	-	0.12	0.06	-1.72
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.51	0.18	-8.77
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.39
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.41	0.25	-5.13
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.05	-0.04	-1.95
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	-0.01	-0.64
Rochester, NY	Ozone	Former Subpart 1	50	-	0.55	0.18	-9.56
Rocky Mount, NC	Ozone	Maintenance	100	-	0.03	-0.04	-1.39
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.06	-0.98
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.85	0.46	-11.92
Sacramento Metro, CA	Ozone	Severe	25	-	1.48	0.71	-22.08
Sacramento, CA	CO	Maintenance	100	-	0.96	0.52	-13.40
Salem, OR	CO	Maintenance	100	-	0.04	-0.00	-0.95
Salt Lake City, UT	CO	Maintenance	100	-	0.09	0.03	-1.59

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Table B.1-207							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.42	0.13	-7.67
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.42	0.13	-7.67
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.21	-0.61	-15.42
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.24	0.13	-3.19
San Diego, CA	CO	Maintenance	100	-	2.44	1.43	-32.11
San Diego, CA	Ozone	Former Subpart 1	50	-	2.45	1.43	-32.17
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3.27	1.60	-48.36
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.73	1.88	-54.40
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.12	0.70	-37.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.12	0.70	-37.15
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.12	0.70	-37.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.26
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.21	-0.00	-4.93
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.49	-0.77	-24.61
Sheboygan, WI	Ozone	Moderate	50	-	0.04	-0.00	-0.91
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.12	-0.03	-3.39
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.07	0.03	-1.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	-0.10	-2.47
Spokane, WA	CO	Maintenance	100	-	0.03	-0.10	-2.45
Springfield (western MA), MA	Ozone	Moderate	50	-	0.46	0.26	-6.14
Springfield, MA	CO	Maintenance	100	-	0.08	0.04	-1.03
St. Louis, MO	CO	Maintenance	100	-	0.11	-0.22	-6.42
St. Louis, MO-IL	Ozone	Moderate	50	-	0.85	-0.09	-21.26
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.84	-0.10	-21.13

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Table B.1-207							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.09	0.05	-1.25
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.17
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.05	-0.37
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.10	-0.82
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.10	-0.82
Stockton, CA	CO	Maintenance	100	-	0.23	0.10	-3.79
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.06	-0.14	-3.91
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.04	-0.11	-1.07
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.38
Toledo, OH	Ozone	Maintenance	100	-	0.18	0.02	-3.88
Toms River, NJ	CO	Maintenance	100	-	0.06	0.03	-0.76
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.07	-0.89
Trenton, NJ	CO	Maintenance	100	-	0.04	0.02	-0.63
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Tucson, AZ	CO	Maintenance	100	-	0.46	0.19	-7.58
Utah County, UT	PM ₁₀	Moderate	100	-	0.18	0.02	-3.82
Vancouver, WA	CO	Maintenance	100	-	0.12	0.01	-2.55
Ventura County, CA	Ozone	Serious	50	-	0.49	0.28	-6.56
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.04	-0.11	-1.07
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.02	-0.39
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.01	-0.25
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.00	-0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.00	-0.10	-1.72
Washington, DC-MD-VA	CO	Maintenance	100	-	0.81	0.44	-11.13

Appendix B

**Table B.1-207
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.84	1.51	-39.93
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.81	1.52	-38.97
Washoe County, NV	PM ₁₀	Serious	70	-	0.12	0.06	-1.72
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.04	-0.55
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	-0.01	-0.65
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.10
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.04	-0.12	-1.19
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.12	-1.19
Winston-Salem, NC	CO	Maintenance	100	-	0.13	-0.01	-3.10
Worcester, MA	CO	Maintenance	100	-	0.12	0.07	-1.61
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.06	-0.80
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.03	-0.36
York, PA	Ozone	Maintenance	100	-	0.15	0.01	-3.41
York, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.03	-2.60
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.19	0.00	-4.37
Yuma, AZ	PM ₁₀	Moderate	100	-	0.08	0.02	-1.47

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-208
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	-0.57	-16.45
Albuquerque, NM	CO	Maintenance	100	-	0.76	0.51	-6.25
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.17	0.09	-1.84
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.93	0.72	-6.09
Altoona, PA	Ozone	Maintenance	100	-	0.09	0.04	-1.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.41	0.34	-2.31
Anchorage, AK	CO	Maintenance	100	-	-0.24	-0.42	-2.53
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.09
Atlanta, GA	Ozone	Moderate	50	-	10.89	8.16	-76.17
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	10.89	8.16	-76.20
Atlantic City, NJ	CO	Maintenance	100	-	0.08	0.07	-0.48
Bakersfield, CA	CO	Maintenance	100	-	0.69	0.49	-5.22
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.10
Baltimore, MD	Ozone	Moderate	50	-	5.34	4.34	-31.60
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	5.34	4.34	-31.60
Baton Rouge, LA	Ozone	Moderate	50	-	0.51	0.10	-8.51
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.24	0.03	-4.37
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.08	-0.02	-1.83
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.01	-0.32
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.14	0.05	-1.80
Billings, MT	CO	Maintenance	100	-	0.03	-0.02	-0.90
Birmingham, AL	Ozone	Maintenance	100	-	1.31	0.93	-10.05

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Table B.1-208							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.32	0.93	-10.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.25	0.04	-4.19
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.25	0.04	-4.19
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.26
Boston, MA	CO	Maintenance	100	-	1.42	1.16	-8.28
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	8.87	7.27	-51.21
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.19	0.98	-6.82
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.05	-0.18
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.61	1.20	-11.44
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Butte, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.30
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.29
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.28	0.16	-2.98
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.28	0.16	-2.98
Case County, MI	Ozone	Maintenance	100	-	0.04	0.01	-0.47
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Charleston, WV	Ozone	Maintenance	100	-	0.33	0.23	-2.48
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.33	0.23	-2.48
Charlotte, NC	CO	Maintenance	100	-	1.32	1.05	-8.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.52	1.82	-18.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.29	-0.04	-6.31
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.28	-0.02	-5.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	11.93	9.44	-74.77
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	12.23	9.64	-77.47
Chico, CA	CO	Maintenance	100	-	0.24	0.19	-1.55
Chico, CA	Ozone	Former Subpart 1	50	-	0.50	0.39	-3.24
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.85	2.08	-20.78

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Table B.1-208							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.78	2.05	-20.05
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
Clark County, NV	PM ₁₀	Serious	70	-	2.98	2.38	-18.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.09	-0.10	-3.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.07	-0.04	-2.12
Cleveland, OH	CO	Maintenance	100	-	0.90	0.54	-8.49
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.39	2.44	-25.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	3.10	2.23	-23.35
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.48	1.23	-8.16
Colbert County, AL	SO _x	Maintenance	100	-	0.01	-0.02	-0.62
Colorado Springs, CO	CO	Maintenance	100	-	0.76	0.45	-7.46
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.08
Columbia, SC	Ozone	Former Subpart 1	50	-	0.42	0.03	-7.87
Columbus, OH	Ozone	Maintenance	100	-	2.50	1.74	-19.85
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.39	1.70	-18.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.90	0.54	-8.49
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.70	0.38	-7.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	12.47	9.65	-81.87
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.96	0.64	-8.18
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.85	0.56	-7.18
Denver Metro, CO	PM ₁₀	Maintenance	100	-	5.73	4.69	-33.27
Denver-Boulder, CO	CO	Maintenance	100	-	5.47	4.47	-31.82
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	6.52	5.16	-40.91
Detroit, MI	CO	Maintenance	100	-	1.15	0.54	-13.69
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5.83	3.86	-49.41
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5.77	3.87	-48.37

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Table B.1-208
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.06	0.05	-0.40
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.04	-0.34
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.03	-0.28
Duluth, MN	CO	Maintenance	100	-	0.03	-0.02	-0.90
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.29	0.23	-1.93
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.67	0.46	-5.45
El Paso, TX	CO	Maintenance	100	-	0.04	0.03	-0.32
Erie, PA	Ozone	Maintenance	100	-	0.28	0.19	-2.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	-0.17	-3.17
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	-0.16	-3.05
Evansville, IN	Ozone	Maintenance	100	-	0.28	0.17	-2.70
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.29	0.13	-3.53
Fairbanks, AK	CO	Maintenance	100	-	-0.05	-0.08	-0.36
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.45	0.34	-3.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.10
Flint, MI	Ozone	Maintenance	100	-	0.66	0.46	-5.20
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.26	0.17	-2.23
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.18	-0.05	-4.46
Franklin County, PA	Ozone	Maintenance	100	-	0.13	0.04	-1.84
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.00	-0.10	-1.74
Fredericksburg, VA	Ozone	Maintenance	100	-	0.68	0.49	-5.22

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.04	0.03	-0.23
Fresno, CA	CO	Maintenance	100	-	1.10	0.89	-6.63
Grand Rapids, MI	Ozone	Maintenance	100	-	1.14	0.78	-9.35
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.34
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	-0.01	-0.49
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.01	-0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	2.42	1.88	-15.89
Greeley, CO	CO	Maintenance	100	-	0.13	0.06	-1.53
Green Bay, WI	SO _x	Maintenance	100	-	0.16	0.11	-1.34
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.01	-0.57
Greene County, PA	Ozone	Maintenance	100	-	0.00	-0.03	-0.55
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.20	1.58	-16.59
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.16	0.88	-7.89
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.36	-0.18	-10.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.02	-0.23
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.15	0.10	-1.23
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.41	1.09	-9.32
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.29	0.99	-8.62
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.58	1.26	-9.90
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.01	-0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.07	0.06	-0.48
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.04	0.02	-0.44
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.21	0.15	-1.70
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.35	0.24	-2.94
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	6.22	3.30	-66.99
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.04	-0.15	-3.48
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.11	-1.80
Huron County, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.31
Imperial County, CA	Ozone	Moderate	50	-	0.43	0.34	-2.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.42	0.33	-2.59
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.32
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	2.73	1.84	-22.73
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.22	1.52	-18.01
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.01	-0.89
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.18	0.12	-1.60
Jefferson County, NY	Ozone	Moderate	50	-	0.19	0.14	-1.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.01	-0.16	-2.65
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.01	-0.87
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.99
Juneau, AK	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.27
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.50	0.26	-5.39
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.42
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.29	0.28	-20.88
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.28	0.23	-1.50
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.01	-0.34
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.11	0.08	-0.84
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.02	-0.25
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.06	-0.64

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.06	-0.64
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.12	0.40	-15.48
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.75	0.18	-11.85
La Porte County, IN	SO _x	Maintenance	100	-	0.01	-0.01	-0.38
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.22
Lake County, IN	SO _x	Maintenance	100	-	0.42	0.32	-2.76
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.04	-0.35
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.07	0.06	-0.42
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.17	0.14	-0.95
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.03	-0.19
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.16
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.76	0.61	-4.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.76	0.61	-4.64
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.72	0.55	-4.85
LaPorte, IN	Ozone	Maintenance	100	-	0.02	-0.04	-1.06
Las Vegas, NV	CO	Serious	100	-	2.98	2.38	-18.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.01	2.41	-18.50
Lauderdale County, AL	SO _x	Maintenance	100	-	0.12	0.09	-0.81
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.11
Lima, OH	Ozone	Maintenance	100	-	0.02	-0.05	-1.28
Longmont, CO	CO	Maintenance	100	-	0.20	0.17	-1.07
Lorain County, OH	SO _x	Maintenance	100	-	0.07	0.05	-0.48

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	27.18	21.59	-168.90
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	27.18	21.59	-168.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	27.18	21.59	-168.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	27.18	21.59	-168.90
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	27.18	21.59	-168.89
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.27	1.02	-7.77
Louisville, KY-IN	Ozone	Maintenance	100	-	1.49	1.06	-11.29
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.39	0.98	-10.79
Lowell, MA	CO	Maintenance	100	-	0.21	0.17	-1.23
Lucas County, OH	SO _x	Maintenance	100	-	0.32	0.21	-2.83
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.08	0.06	-0.56
Macon, GA	Ozone	Maintenance	100	-	0.04	-0.09	-2.28
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.04	-0.09	-2.25
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.40	0.29	-3.02
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.16
Manchester, NH	CO	Maintenance	100	-	0.11	0.09	-0.63
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.14	0.11	-0.96
Marion County, IN	SO _x	Maintenance	100	-	0.26	0.11	-3.19
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.24	0.20	-1.47
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.25	0.07	-3.71
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.30
Medford, OR	CO	Maintenance	100	-	0.15	0.12	-0.96
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.36	0.28	-2.32
Memphis, TN-AR	Ozone	Maintenance	100	-	0.95	0.52	-9.98
Memphis, TN	CO	Maintenance	100	-	1.11	0.77	-8.83
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.05	0.04	-0.36

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.00	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.63	0.43	-5.17
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.61	1.93	-18.82
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.24	1.78	-33.86
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.14	1.72	-32.89
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.09	-0.90
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.09	-0.87
Modesto, CA	CO	Maintenance	100	-	0.56	0.42	-3.97
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.21	0.17	-1.34
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.07	0.06	-0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	-0.01	-0.32
Muncie, IN	Ozone	Maintenance	100	-	-0.08	-0.18	-1.38
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.07
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	-0.00	-0.19
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.04	-1.50
Nashua, NH	CO	Maintenance	100	-	0.09	0.08	-0.51
Nashville, TN	Ozone	Former Subpart 1	50	-	2.57	1.90	-18.37
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.34	0.28	-2.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.25	0.20	-1.67
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.13	0.88	-7.47
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	-9.25	-11.97	-22.54
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-7.53	-15.20	-112.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.83	-6.31	-185.71
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.86	-6.17	-183.87
Nogales, AZ	PM ₁₀	Moderate	100	-	0.07	0.05	-0.44

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	2.29	1.73	-15.85
Ogden, UT	CO	Maintenance	100	-	0.10	0.07	-0.68
Ogden, UT	PM ₁₀	Moderate	100	-	0.10	0.07	-0.68
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.19
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.16	0.10	-1.33
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.00	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.08	0.00	-1.59
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.00	-1.60
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.22
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.15	0.12	-0.90
Perth Amboy, NJ	CO	Maintenance	100	-	0.17	0.14	-1.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.53	0.42	-3.32
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	5.56	3.78	-45.56
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	8.94	6.48	-66.44
Phoenix, AZ	CO	Maintenance	100	-	11.16	9.15	-64.34
Phoenix, AZ	PM ₁₀	Serious	70	-	11.43	9.37	-66.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	11.46	9.39	-66.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.02	-0.36
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.22	1.40	-20.14
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	2.12	1.39	-18.22
Polk County, TN	SO _x	Maintenance	100	-	0.01	-0.00	-0.24
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.92	0.73	-5.63

Appendix B

Table B.1-208
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.54	1.09	-11.95
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.05	-0.56
Poughkeepsie, NY	Ozone	Moderate	50	-	2.42	1.85	-16.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	1.35	0.93	-10.87
Provo, UT	CO	Maintenance	100	-	0.27	0.20	-1.99
Raleigh-Durham, NC	CO	Maintenance	100	-	2.38	1.89	-14.85
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.17	2.48	-20.26
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.45	0.33	-3.40
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.45	0.33	-3.40
Reno, NV	CO	Maintenance	100	-	0.40	0.33	-2.45
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.84	1.40	-12.41
Rillito, AZ	PM ₁₀	Moderate	100	-	0.10	0.07	-0.62
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.48	1.23	-8.16
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.27	0.16	-2.69
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.10	0.06	-0.92
Rochester, NY	Ozone	Former Subpart 1	50	-	1.93	1.45	-13.51
Rocky Mount, NC	Ozone	Maintenance	100	-	0.17	0.09	-1.92
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.00	-1.38
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.15	2.56	-18.69
Sacramento Metro, CA	Ozone	Severe	25	-	5.70	4.56	-34.96
Sacramento, CA	CO	Maintenance	100	-	3.56	2.89	-21.01
Salem, OR	CO	Maintenance	100	-	0.16	0.11	-1.32
Salt Lake City, UT	CO	Maintenance	100	-	0.34	0.25	-2.32

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Table B.1-208							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.61	1.22	-11.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.61	1.22	-11.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.99	1.00	-22.45
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.80	0.66	-4.66
San Diego, CA	CO	Maintenance	100	-	8.68	7.14	-49.58
San Diego, CA	Ozone	Former Subpart 1	50	-	8.69	7.16	-49.68
San Francisco Bay Area, CA	Ozone	Marginal	50	-	11.82	9.44	-72.44
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	13.34	10.70	-81.10
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.62	6.62	-57.46
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.64	6.63	-57.59
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.62	6.62	-57.46
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.06	0.05	-0.40
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.84	0.57	-6.99
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.43	1.87	-36.13
Sheboygan, WI	Ozone	Moderate	50	-	0.16	0.11	-1.32
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.31
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.03	0.03	-0.18
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.54	0.34	-4.79
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.18	0.14	-1.21
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.31	0.15	-3.60
Spokane, WA	CO	Maintenance	100	-	0.31	0.15	-3.56
Springfield (western MA), MA	Ozone	Moderate	50	-	1.48	1.21	-8.66
Springfield, MA	CO	Maintenance	100	-	0.26	0.21	-1.53
St. Louis, MO	CO	Maintenance	100	-	0.57	0.17	-8.41
St. Louis, MO-IL	Ozone	Moderate	50	-	3.38	2.21	-29.30
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	3.35	2.18	-29.12

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Table B.1-208							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Benzene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.31	0.25	-1.86
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.27
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.03	-0.06	-0.52
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.11	-1.11
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.11	-1.11
Stockton, CA	CO	Maintenance	100	-	0.93	0.72	-6.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.41	0.16	-5.44
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	-0.00	-0.09	-1.42
Tioga County, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.51
Toledo, OH	Ozone	Maintenance	100	-	0.66	0.46	-5.34
Toms River, NJ	CO	Maintenance	100	-	0.20	0.17	-1.17
Tooele County, UT	SO _x	Nonattainment	100	-	0.06	-0.00	-1.27
Trenton, NJ	CO	Maintenance	100	-	0.15	0.12	-0.91
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Tucson, AZ	CO	Maintenance	100	-	1.75	1.37	-11.29
Utah County, UT	PM ₁₀	Moderate	100	-	0.77	0.56	-5.67
Vancouver, WA	CO	Maintenance	100	-	0.52	0.38	-3.88
Ventura County, CA	Ozone	Serious	50	-	1.76	1.44	-10.19
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.10
Vigo County, IN	SO _x	Maintenance	100	-	-0.00	-0.09	-1.42
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.09	0.08	-0.54
Warren County, NJ	SO _x	Maintenance	100	-	0.06	0.05	-0.36
Warren County, PA	SO _x	Nonattainment	100	-	0.02	0.01	-0.13
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.03	-2.41
Washington, DC-MD-VA	CO	Maintenance	100	-	2.76	2.23	-16.56

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Table B.1-208
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	9.97	8.08	-59.18
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	9.80	7.97	-57.70
Washoe County, NV	PM ₁₀	Serious	70	-	0.40	0.33	-2.45
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.00	-0.04	-0.75
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.07	-0.01	-1.49
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.09
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.10	-1.60
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.10	-1.60
Winston-Salem, NC	CO	Maintenance	100	-	0.55	0.38	-4.43
Worcester, MA	CO	Maintenance	100	-	0.43	0.35	-2.45
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	-0.00	-1.15
Yakima, WA	CO	Maintenance	100	-	0.03	-0.00	-0.57
York, PA	Ozone	Maintenance	100	-	0.65	0.46	-4.96
York, PA	PM _{2.5}	Nonattainment	100	-	0.53	0.39	-3.78
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.68	0.45	-5.83
Yuma, AZ	PM ₁₀	Moderate	100	-	0.33	0.25	-2.22

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-209
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.08	0.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.08	0.10
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.04	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.04	-0.07
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.11	-0.15	-0.26
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.02

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.00
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.01
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.06	0.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.02	0.02
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.08	0.08	0.10
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.09	0.11
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.02	0.02
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.01
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.03	0.04
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.02	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.02
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.08	0.08	0.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	0.04
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.03	0.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.04	0.04	0.05
Detroit, MI	CO	Maintenance	100	-	0.02	0.02	0.02
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	0.06	0.07
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.07

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.02	0.02
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.17	-0.25	-0.46
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.02	0.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.02
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.02	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-209
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.02	0.02	0.02
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.02	0.02
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-209
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.18	0.18	0.23
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.18	0.18	0.23
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.18	0.18	0.23
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.18	0.18	0.23
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.18	0.18	0.23
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.01
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.02	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.03	0.03
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.03	0.04
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.02
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.10	0.10	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.18	0.18	0.23
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.18	0.18	0.23
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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**Table B.1-209
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Butadiene 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.02	0.02
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.03
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.04	0.02	0.00
Phoenix, AZ	CO	Maintenance	100	-	0.05	0.05	0.07
Phoenix, AZ	PM ₁₀	Serious	70	-	0.06	0.06	0.07
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.06	0.06	0.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.02	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.01
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.02	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	0.02
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.03	0.04
Sacramento, CA	CO	Maintenance	100	-	0.02	0.02	0.02
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
San Diego, CA	CO	Maintenance	100	-	0.05	0.05	0.06
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.05	0.06
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.00	-0.03
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.03	0.02	-0.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.05	0.06
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.05	0.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	0.06
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.03	0.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.01
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.01
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	0.04	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	0.04	0.05

Appendix B

Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.01
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.00
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.02	0.02

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Table B.1-209							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.06	0.06	0.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	0.08
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-210							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	-0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.18	-0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	-0.12
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.06	0.08	-0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.08	-0.17
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.22	-0.32	-0.55
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	-0.02

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Table B.1-210							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.02	-0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.11	0.14	-0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	-0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	-0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.04	-0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.15	0.19	-0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.20	-0.14
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.04	-0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Cleveland, OH	CO	Maintenance	100	-	0.02	0.03	-0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.07	-0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	-0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.01
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.05	-0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.15	0.19	-0.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.06	0.08	-0.05
Denver-Boulder, CO	CO	Maintenance	100	-	0.06	0.08	-0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.08	0.10	-0.07
Detroit, MI	CO	Maintenance	100	-	0.03	0.04	-0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.10	0.13	-0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.12	-0.08

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Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	-0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	-0.01

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Butadiene 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	-0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.04	-0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.04	-0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	-0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.35	-0.53	-1.20
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.05	-0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.05	-0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-210
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Las Vegas, NV	CO	Serious	100	-	0.03	0.04	-0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-210
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.32	0.41	-0.28
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.32	0.41	-0.28
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.32	0.41	-0.28
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.32	0.41	-0.28
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.32	0.41	-0.28
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	-0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	-0.02
Memphis, TN	CO	Maintenance	100	-	0.02	0.02	-0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-210							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.05	-0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.05	0.06	-0.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.06	0.08	-0.05
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.02	-0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.17	0.21	-0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.31	0.40	-0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.31	0.40	-0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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Butadiene 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.04	-0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	-0.00	-0.28
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.05	0.05	-0.32
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.13	-0.09
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	0.13	-0.09
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	0.13	-0.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	-0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	-0.01

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	-0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.04	-0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	-0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.04	-0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.05	-0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.03	-0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	-0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.04	-0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.07	-0.05
Sacramento, CA	CO	Maintenance	100	-	0.04	0.05	-0.03
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	-0.01

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Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
San Diego, CA	CO	Maintenance	100	-	0.09	0.11	-0.08
San Diego, CA	Ozone	Former Subpart 1	50	-	0.09	0.11	-0.08
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.03	0.02	-0.37
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.05	0.04	-0.38
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.12	-0.09
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.09	0.12	-0.09
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.12	-0.09
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.06	0.08	-0.06
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.02	-0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
St. Louis, MO	CO	Maintenance	100	-	0.02	0.02	-0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.08	-0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.08	-0.05

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.01	-0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	-0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.02	0.02	-0.02
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	-0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.04	-0.03

Appendix B

Table B.1-210
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.11	0.15	-0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.11	0.14	-0.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	-0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.10	-0.87
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.04	-0.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.05	-0.40
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.14
Anchorage, AK	CO	Maintenance	100	-	0.02	0.01	-0.10
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.71	0.54	-4.74
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.71	0.54	-4.74
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.04	0.02	-0.34
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.31	0.24	-2.07
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.31	0.24	-2.07
Baton Rouge, LA	Ozone	Moderate	50	-	-0.13	-0.24	-0.90
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.65	-0.99	-1.70
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.01	-0.11
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.01	-0.10
Billings, MT	CO	Maintenance	100	-	0.01	0.01	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.10	0.08	-0.66

Appendix B

Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	0.08	-0.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.03	0.03	-0.23
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.23
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.08	0.06	-0.56
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.51	0.39	-3.45
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.05	-0.45
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.11	0.09	-0.76
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.02	-0.19
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.19
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.02	-0.17
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.17
Charlotte, NC	CO	Maintenance	100	-	0.08	0.06	-0.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.17	0.13	-1.16
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.04	-0.36
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.72	0.55	-4.88
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.74	0.56	-5.04
Chico, CA	CO	Maintenance	100	-	0.01	0.01	-0.09
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.19
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.15	-1.33

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.19	0.15	-1.29
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.17	0.13	-1.12
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.02	-0.18
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Cleveland, OH	CO	Maintenance	100	-	0.09	0.07	-0.57
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.25	0.19	-1.68
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.23	0.18	-1.54
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.06	-0.50
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.06	0.05	-0.43
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.05	-0.44
Columbus, OH	Ozone	Maintenance	100	-	0.18	0.14	-1.20
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.13	-1.11
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.09	0.07	-0.57
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.07	0.05	-0.47
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.75	0.58	-5.06
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.06	-0.53
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.05	-0.47
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.32	0.24	-2.14
Denver-Boulder, CO	CO	Maintenance	100	-	0.30	0.23	-2.04
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.38	0.29	-2.58
Detroit, MI	CO	Maintenance	100	-	0.14	0.11	-0.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.46	0.35	-3.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.45	0.35	-3.04

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.04	-0.34
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.15
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.02	-0.16
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.02	-0.15
Evansville, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.17
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.21
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.01	-0.13
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.03	-0.25
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.10
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.05	0.04	-0.31

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.06	0.05	-0.42
Grand Rapids, MI	Ozone	Maintenance	100	-	0.08	0.06	-0.57
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	0.12	-1.07
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	-0.09
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.12	-1.07
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.06	-0.53
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.07	-0.58
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.07	-0.60
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.06	-0.55
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.10	0.08	-0.69
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.19
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

Appendix B

Table B.1-211
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.81	-1.63	-6.84
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.19
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.02	-0.16
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.02	-0.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.21	0.16	-1.39
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.13	-1.10
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.10
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.14
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.33
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.17	0.13	-1.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.10
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

Table B.1-211
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.13	0.10	-0.85
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.10	0.07	-0.65
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.02	-0.19
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.05
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.03	-0.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.03	-0.31
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.32
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Las Vegas, NV	CO	Serious	100	-	0.17	0.13	-1.12
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.17	0.13	-1.14
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.60	1.22	-10.81
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.60	1.22	-10.81
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.60	1.22	-10.81
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.60	1.22	-10.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.60	1.22	-10.81
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.07	0.06	-0.49
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.08	-0.74
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.08	-0.71
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.02	-0.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.02	0.01	-0.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.03	0.02	-0.18
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.02	-0.20
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.21
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.14
Memphis, TN-AR	Ozone	Maintenance	100	-	0.09	0.07	-0.64
Memphis, TN	CO	Maintenance	100	-	0.09	0.06	-0.59
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.04	-0.34
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.14	-1.21
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.26	0.18	-2.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.29	0.22	-1.94
Missoula, MT	CO	Maintenance	100	-	0.01	0.00	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Modesto, CA	CO	Maintenance	100	-	0.04	0.03	-0.24
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Nashua, NH	CO	Maintenance	100	-	0.01	0.00	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	0.12	-1.15
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.10
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.06	-0.51
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.03	-0.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.77	0.59	-5.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.48	1.13	-9.92
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.47	1.12	-9.83
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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Table B.1-211
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.16	0.12	-1.04
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.03	-0.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.18	-0.04	-3.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.39	0.11	-4.84
Phoenix, AZ	CO	Maintenance	100	-	0.57	0.43	-3.80
Phoenix, AZ	PM ₁₀	Serious	70	-	0.58	0.45	-3.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.58	0.45	-3.92
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.19	0.15	-1.29
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.13	-1.18
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.04	-0.38

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.11	0.08	-0.77
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	0.11	-1.00
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.08	-0.67
Provo, UT	CO	Maintenance	100	-	0.02	0.01	-0.12
Raleigh-Durham, NC	CO	Maintenance	100	-	0.14	0.11	-0.94
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.19	0.15	-1.27
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.22
Reno, NV	CO	Maintenance	100	-	0.02	0.02	-0.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.12	0.09	-0.82
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.06	-0.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.17
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.13	0.10	-0.89
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.17	0.13	-1.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.31	0.24	-2.09
Sacramento, CA	CO	Maintenance	100	-	0.19	0.15	-1.28
Salem, OR	CO	Maintenance	100	-	0.01	0.01	-0.09
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.01	-0.15

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.10	0.08	-0.71
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.11	0.08	-0.71
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.19	0.15	-1.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	0.03	-0.31
San Diego, CA	CO	Maintenance	100	-	0.46	0.35	-3.10
San Diego, CA	Ozone	Former Subpart 1	50	-	0.46	0.35	-3.11
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.37	0.05	-5.25
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.45	0.12	-5.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.50	0.38	-3.45
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.50	0.38	-3.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.50	0.38	-3.45
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.05	-0.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.30	0.23	-2.12
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	-0.08
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.04	0.03	-0.30
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.21
Spokane, WA	CO	Maintenance	100	-	0.03	0.02	-0.21
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.07	-0.59
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.10
St. Louis, MO	CO	Maintenance	100	-	0.08	0.06	-0.54
St. Louis, MO-IL	Ozone	Moderate	50	-	0.28	0.22	-1.90
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.28	0.22	-1.89

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Table B.1-211
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.12
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Stockton, CA	CO	Maintenance	100	-	0.05	0.04	-0.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.04	-0.33
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.04	-0.35
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.07
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.07
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.11	0.08	-0.71
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.04	-0.35
Vancouver, WA	CO	Maintenance	100	-	0.03	0.03	-0.23
Ventura County, CA	Ozone	Serious	50	-	0.09	0.07	-0.63
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.00	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.12	-1.07

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Table B.1-211							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.57	0.44	-3.82
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.56	0.43	-3.73
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.02	-0.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	-0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.03	-0.28
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.16
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-0.03
York, PA	Ozone	Maintenance	100	-	0.05	0.04	-0.31
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.24
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.04	-0.39
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.14

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.41	0.36	-1.16
Albuquerque, NM	CO	Maintenance	100	-	0.18	0.16	-0.52
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.15
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.19	0.17	-0.53
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.08
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.21
Anchorage, AK	CO	Maintenance	100	-	0.05	0.04	-0.14
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	2.31	2.03	-6.57
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.31	2.04	-6.57
Atlantic City, NJ	CO	Maintenance	100	-	0.02	0.01	-0.04
Bakersfield, CA	CO	Maintenance	100	-	0.14	0.11	-0.47
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	1.00	0.88	-2.83
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.00	0.88	-2.83
Baton Rouge, LA	Ozone	Moderate	50	-	-0.17	-0.30	-1.29
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.26	-1.62	-2.58
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.05	0.04	-0.13
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.05	0.04	-0.14
Billings, MT	CO	Maintenance	100	-	0.02	0.02	-0.06
Birmingham, AL	Ozone	Maintenance	100	-	0.30	0.26	-0.85

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.30	0.26	-0.85
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.11	0.10	-0.32
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.11	0.10	-0.32
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Boston, MA	CO	Maintenance	100	-	0.26	0.23	-0.74
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.62	1.43	-4.62
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.22	0.19	-0.62
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.35	0.30	-0.98
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.08	0.07	-0.24
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.07	-0.24
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.07	-0.21
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.07	-0.21
Charlotte, NC	CO	Maintenance	100	-	0.26	0.23	-0.73
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.56	0.50	-1.60
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.16	0.14	-0.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.15	0.13	-0.43
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.31	2.03	-6.63
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.39	2.10	-6.85
Chico, CA	CO	Maintenance	100	-	0.05	0.04	-0.14
Chico, CA	Ozone	Former Subpart 1	50	-	0.10	0.09	-0.28
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.62	0.55	-1.78

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Table B.1-212
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.60	0.53	-1.72
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.57	0.50	-1.63
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.09	0.08	-0.25
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.15
Cleveland, OH	CO	Maintenance	100	-	0.24	0.21	-0.69
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.76	0.67	-2.17
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.70	0.61	-1.98
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.26	0.23	-0.74
Colbert County, AL	SO _x	Maintenance	100	-	0.02	0.01	-0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.21	0.19	-0.60
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.21	0.18	-0.59
Columbus, OH	Ozone	Maintenance	100	-	0.59	0.52	-1.67
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.55	0.48	-1.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.24	0.21	-0.69
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.21	0.18	-0.60
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.52	2.22	-7.16
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.24	0.21	-0.68
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.21	0.18	-0.60
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.05	0.93	-2.99
Denver-Boulder, CO	CO	Maintenance	100	-	1.01	0.89	-2.86
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.27	1.12	-3.61
Detroit, MI	CO	Maintenance	100	-	0.38	0.33	-1.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.44	1.27	-4.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.42	1.25	-4.03

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.06	0.05	-0.17
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.16	0.14	-0.46
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.07	0.06	-0.19
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.08	0.07	-0.22
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.07	0.06	-0.21
Evansville, IN	Ozone	Maintenance	100	-	0.08	0.07	-0.22
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.10	0.09	-0.28
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.09	0.08	-0.26
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.15	0.14	-0.44
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.06	0.06	-0.18
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.11	0.10	-0.33
Franklin County, PA	Ozone	Maintenance	100	-	0.05	0.04	-0.14
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.16	0.14	-0.44

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Table B.1-212							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Fresno, CA	CO	Maintenance	100	-	0.21	0.18	-0.59
Grand Rapids, MI	Ozone	Maintenance	100	-	0.27	0.24	-0.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.49	0.43	-1.39
Greeley, CO	CO	Maintenance	100	-	0.04	0.04	-0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.04	0.03	-0.11
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.01	-0.04
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.50	0.44	-1.41
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.24	0.21	-0.68
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.26	0.23	-0.75
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	0.03	-0.10
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.29	0.25	-0.81
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.23	-0.75
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.31	0.27	-0.88
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.04	-0.14
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.09	0.08	-0.24
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.79	-1.71	-9.74
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.08	0.07	-0.25
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.04	0.03	-0.13
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.08	0.07	-0.23
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.08	0.07	-0.23
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.67	0.59	-1.89
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.53	0.47	-1.51
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.13
Jefferson County, NY	Ozone	Moderate	50	-	0.04	0.03	-0.11
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.18
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.02	-0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.15	0.13	-0.43
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.56	0.49	-1.59
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.05	0.04	-0.14
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.07
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.42	0.37	-1.20
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.32	0.28	-0.90
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.08	0.07	-0.24
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.03	-0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.15	0.13	-0.41
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.15	0.13	-0.41
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.15	0.13	-0.42
LaPorte, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.07
Las Vegas, NV	CO	Serious	100	-	0.57	0.50	-1.63
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.58	0.51	-1.64
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.09
Longmont, CO	CO	Maintenance	100	-	0.03	0.03	-0.10
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	5.24	4.61	-14.99
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	5.24	4.61	-14.99
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	5.24	4.61	-14.99
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	5.24	4.61	-14.99
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	5.24	4.61	-14.99
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.24	0.21	-0.69
Louisville, KY-IN	Ozone	Maintenance	100	-	0.34	0.30	-0.96
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.32	0.28	-0.91
Lowell, MA	CO	Maintenance	100	-	0.04	0.03	-0.11
Lucas County, OH	SO _x	Maintenance	100	-	0.08	0.07	-0.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.05
Macon, GA	Ozone	Maintenance	100	-	0.06	0.05	-0.16
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.05	-0.16
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.09	0.08	-0.26
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.06
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.08
Marion County, IN	SO _x	Maintenance	100	-	0.09	0.08	-0.25
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.13
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.10	0.09	-0.28
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Medford, OR	CO	Maintenance	100	-	0.03	0.03	-0.08
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.07	0.06	-0.20
Memphis, TN-AR	Ozone	Maintenance	100	-	0.28	0.24	-0.81
Memphis, TN	CO	Maintenance	100	-	0.26	0.23	-0.75
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.03

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Table B.1-212							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.15	0.13	-0.43
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.57	0.50	-1.61
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.89	0.76	-2.82
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.93	0.82	-2.64
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.06
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Modesto, CA	CO	Maintenance	100	-	0.12	0.11	-0.34
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.12
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.08
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.12
Nashua, NH	CO	Maintenance	100	-	0.02	0.01	-0.05
Nashville, TN	Ozone	Former Subpart 1	50	-	0.55	0.48	-1.59
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.18
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.15
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.23	0.20	-0.65
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.12	0.11	-0.35
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2.36	2.07	-6.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	4.61	4.06	-13.12
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	4.57	4.03	-13.00
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.48	0.42	-1.37
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.11
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.12
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.12
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.02	-0.08
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.03	-0.09
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.10	0.09	-0.29
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.83	0.54	-4.64
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.48	1.12	-6.49
Phoenix, AZ	CO	Maintenance	100	-	2.04	1.80	-5.80
Phoenix, AZ	PM ₁₀	Serious	70	-	2.09	1.84	-5.95
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.10	1.85	-5.96
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.58	0.51	-1.65
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.53	0.47	-1.51
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.18	0.15	-0.50

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.35	0.31	-1.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Poughkeepsie, NY	Ozone	Moderate	50	-	0.50	0.44	-1.42
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.32	0.28	-0.91
Provo, UT	CO	Maintenance	100	-	0.06	0.05	-0.17
Raleigh-Durham, NC	CO	Maintenance	100	-	0.46	0.41	-1.31
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.63	0.55	-1.78
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.10	0.09	-0.29
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.09	-0.29
Reno, NV	CO	Maintenance	100	-	0.08	0.07	-0.22
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.38	0.33	-1.08
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.26	0.23	-0.74
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.08	0.07	-0.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.03	0.02	-0.08
Rochester, NY	Ozone	Former Subpart 1	50	-	0.41	0.36	-1.17
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.05	-0.15
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.10
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.59	0.52	-1.67
Sacramento Metro, CA	Ozone	Severe	25	-	1.09	0.96	-3.10
Sacramento, CA	CO	Maintenance	100	-	0.66	0.58	-1.88
Salem, OR	CO	Maintenance	100	-	0.04	0.03	-0.11
Salt Lake City, UT	CO	Maintenance	100	-	0.07	0.06	-0.21

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Table B.1-212							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.33	0.29	-0.97
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.34	0.30	-0.96
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.63	0.55	-1.78
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.15	0.13	-0.42
San Diego, CA	CO	Maintenance	100	-	1.57	1.39	-4.48
San Diego, CA	Ozone	Former Subpart 1	50	-	1.58	1.39	-4.49
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.63	1.19	-7.48
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.90	1.44	-8.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.74	1.53	-5.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.75	1.53	-5.05
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.74	1.53	-5.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.20	0.18	-0.58
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.00	0.88	-2.92
Sheboygan, WI	Ozone	Moderate	50	-	0.04	0.03	-0.11
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.14	0.12	-0.39
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.11
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.10	0.09	-0.29
Spokane, WA	CO	Maintenance	100	-	0.10	0.09	-0.28
Springfield (western MA), MA	Ozone	Moderate	50	-	0.27	0.24	-0.78
Springfield, MA	CO	Maintenance	100	-	0.05	0.04	-0.14
St. Louis, MO	CO	Maintenance	100	-	0.23	0.20	-0.64
St. Louis, MO-IL	Ozone	Moderate	50	-	0.85	0.75	-2.42
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.85	0.75	-2.41

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Table B.1-212							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Butadiene 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.06	0.05	-0.17
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.07
Stockton, CA	CO	Maintenance	100	-	0.19	0.16	-0.53
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.15	0.13	-0.42
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.10
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.16	0.14	-0.45
Toms River, NJ	CO	Maintenance	100	-	0.04	0.03	-0.11
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	-0.09
Trenton, NJ	CO	Maintenance	100	-	0.03	0.03	-0.08
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.35	0.31	-0.99
Utah County, UT	PM ₁₀	Moderate	100	-	0.17	0.15	-0.48
Vancouver, WA	CO	Maintenance	100	-	0.12	0.10	-0.33
Ventura County, CA	Ozone	Serious	50	-	0.32	0.28	-0.92
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.10
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.02	-0.05
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.18
Washington, DC-MD-VA	CO	Maintenance	100	-	0.52	0.46	-1.48

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Table B.1-212
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.86	1.64	-5.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.82	1.60	-5.17
Washoe County, NV	PM ₁₀	Serious	70	-	0.08	0.07	-0.22
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.11
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.04	0.03	-0.11
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.11
Winston-Salem, NC	CO	Maintenance	100	-	0.13	0.11	-0.37
Worcester, MA	CO	Maintenance	100	-	0.08	0.07	-0.22
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.09
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.04
York, PA	Ozone	Maintenance	100	-	0.15	0.13	-0.42
York, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.10	-0.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.17	0.15	-0.48
Yuma, AZ	PM ₁₀	Moderate	100	-	0.07	0.06	-0.19

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.02	0.73
Albuquerque, NM	CO	Maintenance	100	-	-	0.01	0.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.01	0.34
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.09
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.08
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-0.00	0.08	3.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.08	3.78
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.11	-0.14	-0.00
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	-	0.04	1.70
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.04	1.70
Baton Rouge, LA	Ozone	Moderate	50	-	-6.52	-8.50	-14.52
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-20.77	-27.09	-47.33
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.11
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.08
Billings, MT	CO	Maintenance	100	-	-3.45	-4.50	-7.86
Birmingham, AL	Ozone	Maintenance	100	-	-0.31	-0.39	-0.12

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Table B.1-213							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.31	-0.39	-0.11
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.18
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.18
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.01
Boston, MA	CO	Maintenance	100	-	-0.00	0.01	0.49
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	0.06	2.92
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.01	0.37
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.55	-0.72	-1.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.55	-0.72	-1.10
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.16
Charlotte, NC	CO	Maintenance	100	-	-	0.01	0.41
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.02	0.93
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.31
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.01	0.29
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-9.67	-12.53	-18.12
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-9.67	-12.52	-17.98
Chico, CA	CO	Maintenance	100	-	-	0.00	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.02	1.13

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Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	1.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	-	0.02	0.83
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.10
Cleveland, OH	CO	Maintenance	100	-	-	0.01	0.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.03	1.49
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.03	1.38
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.35
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.04
Colorado Springs, CO	CO	Maintenance	100	-	-	0.01	0.33
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.37
Columbus, OH	Ozone	Maintenance	100	-	-	0.02	0.95
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.02	0.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.01	0.55
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.01	0.45
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.08	3.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.01	0.49
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.43
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-4.23	-5.49	-8.02
Denver-Boulder, CO	CO	Maintenance	100	-	-4.23	-5.49	-8.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-4.23	-5.48	-7.67
Detroit, MI	CO	Maintenance	100	-	-3.28	-4.26	-6.58
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-4.27	-5.51	-7.12
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-4.27	-5.52	-7.17

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**Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-7.65	-9.97	-17.39
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.31	-3.01	-5.02
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.13
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.13
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.19
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.17
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.01	0.30
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.21
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.23

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Table B.1-213							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	-0.00	0.01	0.33
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.01	0.46
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.02	0.95
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.07
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.07
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.02	0.94
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.46
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.01	0.49
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.45
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.01	0.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.10
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.17
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.00

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Table B.1-213
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-31.71	-41.30	-69.43
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-4.18	-5.46	-9.40
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-4.18	-5.46	-9.49
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.02	1.14
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.90
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.09
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.13
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.07
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.02	0.94
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.08
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.03

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Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.52
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.00	0.18
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.26
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.01	0.27
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.06
Las Vegas, NV	CO	Serious	100	-	-	0.02	0.83
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.02	0.84
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-5.31	-6.93	-12.10
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.05
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.03

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**Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-15.05	-19.45	-25.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-15.05	-19.45	-25.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-15.05	-19.45	-25.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-15.05	-19.45	-25.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-15.05	-19.45	-25.86
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.01	0.39
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.01	0.65
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.63
Lowell, MA	CO	Maintenance	100	-	-0.00	0.00	0.06
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.00	0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.18
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.18
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.02
Medford, OR	CO	Maintenance	100	-	-	0.00	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.10
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.64	-2.12	-3.17
Memphis, TN	CO	Maintenance	100	-	-1.64	-2.13	-3.22
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02

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Table B.1-213							
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DPM 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.01	0.31
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.02	1.02
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.03	1.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.03	1.59
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.07
Nashua, NH	CO	Maintenance	100	-	-0.00	0.00	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.02	0.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.07
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.01	0.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.01	0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.71	-2.13	0.61
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.36	-2.89	3.14
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.36	-2.89	3.07
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-5.92	-7.70	-12.65
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.04
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.00	0.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.08
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.06
Perth Amboy, NJ	CO	Maintenance	100	-	-0.63	-0.83	-1.41
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.00	0.23
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-9.18	-11.92	-18.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.20	-11.93	-17.32
Phoenix, AZ	CO	Maintenance	100	-	-0.00	0.05	2.50
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.00	0.05	2.58
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.00	0.05	2.59
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.02	1.16
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.06
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.01	0.32

Appendix B

Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.03	-0.03	0.59
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.02	0.76
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.01	0.56
Provo, UT	CO	Maintenance	100	-	-	0.00	0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.02	0.73
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.02	1.00
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.19
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.19
Reno, NV	CO	Maintenance	100	-	-	0.00	0.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.00	0.68
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.01	0.35
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.15
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.02	0.77
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.07
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.02	0.82
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.03	1.46
Sacramento, CA	CO	Maintenance	100	-	-	0.02	0.91
Salem, OR	CO	Maintenance	100	-	-	0.00	0.08
Salt Lake City, UT	CO	Maintenance	100	-	-1.48	-1.93	-3.27

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Table B.1-213							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.48	-1.92	-2.80
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.01	0.59
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.02	1.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.01	0.24
San Diego, CA	CO	Maintenance	100	-	-	0.05	2.29
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.05	2.30
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-12.23	-15.88	-24.42
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-12.23	-15.87	-23.94
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.11	-0.09	2.24
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.11	-0.09	2.26
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.11	-0.09	2.24
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.01	0.39
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.04	1.69
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.01	0.26
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.17
Spokane, WA	CO	Maintenance	100	-	-	0.00	0.17
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.01	0.51
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.08
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.01	0.55
St. Louis, MO-IL	Ozone	Moderate	50	-	-23.79	-31.00	-52.75
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-23.79	-31.00	-52.76

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Table B.1-213							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.05	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.05	-0.04
Stockton, CA	CO	Maintenance	100	-	-	0.01	0.25
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.01	0.30
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.08
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-5.53	-7.21	-12.35
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.06
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.05
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.01	0.56
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.01	0.27
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.17
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.00	0.45
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.12
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.02	0.90

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Table B.1-213
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	0.06	3.04
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	0.06	2.98
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.51	-3.28	-5.71
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.09
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.23
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.12
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.02
York, PA	Ozone	Maintenance	100	-	-	0.01	0.25
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.01	0.38
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.10

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.05	2.91
Albuquerque, NM	CO	Maintenance	100	-	-	0.02	1.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.01	0.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.02	1.35
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.38
Anchorage, AK	CO	Maintenance	100	-	-	0.01	0.32
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	-0.00	0.26	15.26
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-0.00	0.26	15.27
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.12
Bakersfield, CA	CO	Maintenance	100	-	-0.21	-0.29	0.48
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	-	0.12	6.81
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.12	6.81
Baton Rouge, LA	Ozone	Moderate	50	-	-12.66	-18.48	-29.35
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-40.32	-58.93	-97.75
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.01	0.41
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.01	0.33
Billings, MT	CO	Maintenance	100	-	-6.70	-9.79	-16.23
Birmingham, AL	Ozone	Maintenance	100	-	-0.60	-0.83	0.85

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Table B.1-214							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.60	-0.83	0.85
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.01	0.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.01	0.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.04
Boston, MA	CO	Maintenance	100	-	-0.00	0.03	1.94
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-0.00	0.20	11.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-0.00	0.03	1.48
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.05	2.63
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.08	-1.56	-1.96
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.08	-1.56	-1.96
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	-	0.01	0.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.01	0.63
Charlotte, NC	CO	Maintenance	100	-	-	0.03	1.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.06	3.75
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.02	1.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-18.76	-27.16	-29.82
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-18.76	-27.15	-29.28
Chico, CA	CO	Maintenance	100	-	-	0.00	0.25
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.01	0.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.08	4.49

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.08	4.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	-	0.06	3.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.01	0.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.41
Cleveland, OH	CO	Maintenance	100	-	-	0.04	2.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.10	5.86
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.09	5.40
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.03	1.46
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.14
Colorado Springs, CO	CO	Maintenance	100	-	-	0.02	1.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.03	1.48
Columbus, OH	Ozone	Maintenance	100	-	-	0.07	3.83
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.06	3.55
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.04	2.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.03	1.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.27	15.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.03	1.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.03	1.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-8.22	-11.90	-13.30
Denver-Boulder, CO	CO	Maintenance	100	-	-8.22	-11.90	-13.60
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-8.22	-11.87	-11.90
Detroit, MI	CO	Maintenance	100	-	-6.35	-9.22	-11.92
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-8.29	-11.94	-9.75
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-8.29	-11.94	-9.94

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Table B.1-214							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.06
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.19
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-14.84	-21.69	-35.85
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.49	-6.55	-9.88
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.07
Erie, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.01	0.52
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.01	0.50
Evansville, IN	Ozone	Maintenance	100	-	-	0.01	0.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.74
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.02
Flint, MI	Ozone	Maintenance	100	-	-0.00	0.02	1.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.01	0.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.01	0.83
Franklin County, PA	Ozone	Maintenance	100	-	-	0.01	0.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.01	0.30
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.02	0.95

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Table B.1-214							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	-0.00	0.02	1.34
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.03	1.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.09
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.07
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.06	3.74
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.28
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.28
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.11
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.06	3.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.03	1.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.04	2.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.03	1.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.03	1.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.04	2.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.00	0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.41
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.01	0.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.01

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-61.56	-89.78	-137.80
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.12	-11.86	-19.19
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-8.12	-11.87	-19.50
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.06
Imperial County, CA	Ozone	Moderate	50	-	-	0.01	0.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.08
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.08	4.56
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.06	3.62
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.00	0.01	0.35
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.49
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	0.00	0.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.25
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.02	1.15
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.07
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.07	3.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.01	0.33
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.06
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.19
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.06
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.11

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.05	2.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.04	2.10
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	-0.00	0.01	0.69
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.07
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.14
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.02	1.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.02	1.09
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.22
Las Vegas, NV	CO	Serious	100	-	-	0.06	3.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.06	3.47
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-10.31	-15.07	-24.98
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.21
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.10

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-29.22	-42.11	-36.71
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-29.22	-42.11	-36.71
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-29.22	-42.11	-36.71
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-29.22	-42.11	-36.71
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-29.22	-42.12	-36.71
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-	0.03	1.58
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.04	2.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.04	2.48
Lowell, MA	CO	Maintenance	100	-	-0.00	0.00	0.26
Lucas County, OH	SO _x	Maintenance	100	-	-0.00	0.01	0.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.13
Macon, GA	Ozone	Maintenance	100	-	-	0.01	0.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	-	0.01	0.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.23
Marion County, IN	SO _x	Maintenance	100	-	-	0.01	0.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.01	0.73
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.06
Medford, OR	CO	Maintenance	100	-	-	0.00	0.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.01	0.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.18	-4.61	-5.51
Memphis, TN	CO	Maintenance	100	-	-3.18	-4.61	-5.69
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.07

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.02	1.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.07	4.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-	0.11	6.56
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.11	6.38
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.14
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.14
Modesto, CA	CO	Maintenance	100	-	-	0.01	0.70
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.24
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.07
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	-	0.01	0.29
Nashua, NH	CO	Maintenance	100	-	-0.00	0.00	0.14
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.06	3.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.01	0.32
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.01	0.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.03	1.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	-0.00	0.02	1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.32	-4.55	9.68
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.57	-6.10	22.62
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.57	-6.11	22.33
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.09

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Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-11.49	-16.74	-24.54
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.16
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	0.01	0.33
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.33
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.23
Perth Amboy, NJ	CO	Maintenance	100	-	-1.23	-1.80	-2.83
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.00	0.02	0.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-17.82	-25.87	-33.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-17.86	-25.86	-28.88
Phoenix, AZ	CO	Maintenance	100	-	-0.01	0.17	10.71
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.01	0.18	11.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.01	0.18	11.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	0.07	4.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	4.15
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.05
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.02	1.28

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.07	-0.05	2.48
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.05	3.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	-0.00	0.04	2.24
Provo, UT	CO	Maintenance	100	-	-	0.01	0.37
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.05	2.97
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.07	4.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.76
Reno, NV	CO	Maintenance	100	-	-	0.01	0.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.02	0.02	2.74
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.03	1.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.01	0.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.05	3.04
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.01	0.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.27
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.06	3.41
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.11	6.12
Sacramento, CA	CO	Maintenance	100	-	-	0.07	3.80
Salem, OR	CO	Maintenance	100	-	-	0.01	0.30
Salt Lake City, UT	CO	Maintenance	100	-	-2.87	-4.19	-6.54

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.87	-4.16	-4.68
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.04	2.34
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.07	4.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-	0.02	0.98
San Diego, CA	CO	Maintenance	100	-	-	0.16	9.46
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.16	9.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-23.74	-34.46	-43.52
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-23.74	-34.43	-41.58
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.21	-0.14	9.83
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.21	-0.13	9.88
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.21	-0.14	9.83
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.03	1.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.12	6.80
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.27
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.02	1.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	0.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	-	0.01	0.68
Spokane, WA	CO	Maintenance	100	-	-	0.01	0.67
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.04	2.03
Springfield, MA	CO	Maintenance	100	-	-	0.01	0.33
St. Louis, MO	CO	Maintenance	100	-	-0.00	0.04	2.08
St. Louis, MO-IL	Ozone	Moderate	50	-	-46.18	-67.39	-106.25
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-46.18	-67.39	-106.30

Appendix B

Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.39
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.08	-0.11	0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.08	-0.11	0.02
Stockton, CA	CO	Maintenance	100	-	-	0.02	1.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.02	1.17
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.01	0.30
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.13
Toledo, OH	Ozone	Maintenance	100	-	-10.74	-15.68	-25.02
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.23
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.23
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.20
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	-	0.04	2.26
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.02	1.10
Vancouver, WA	CO	Maintenance	100	-	-	0.01	0.71
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.01	1.88
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Vigo County, IN	SO _x	Maintenance	100	-	-	0.01	0.30
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-0.00	0.00	0.13
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.01	0.48
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.06	3.56

Appendix B

Table B.1-214
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-0.00	0.21	12.28
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-0.00	0.21	12.03
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.01	0.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.88	-7.14	-11.78
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.01	0.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.34
Winston-Salem, NC	CO	Maintenance	100	-	-	0.02	0.93
Worcester, MA	CO	Maintenance	100	-	-	0.01	0.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.21
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.09
York, PA	Ozone	Maintenance	100	-	-	0.02	1.01
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.03	1.45
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.01	0.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.19	13.07
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.08	5.94
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.02	1.58
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.09	6.03
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.01	0.96
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	2.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.02	1.54
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Atlanta, GA	Ozone	Moderate	50	-	0.02	1.02	71.44
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	1.02	71.47
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.50
Bakersfield, CA	CO	Maintenance	100	-	-0.64	-0.88	3.39
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.10
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.45	31.27
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.45	31.27
Baton Rouge, LA	Ozone	Moderate	50	-	-37.72	-55.96	-75.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-120.14	-178.53	-258.20
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	1.66
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.26
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.02	1.54
Billings, MT	CO	Maintenance	100	-	-19.97	-29.67	-42.82
Birmingham, AL	Ozone	Maintenance	100	-	-1.78	-2.51	6.06

Appendix B

Table B.1-215							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.78	-2.51	6.09
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.05	3.45
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.05	3.45
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.19
Boston, MA	CO	Maintenance	100	-	0.00	0.12	8.52
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.01	0.74	52.07
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.10	6.81
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.09
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.16	11.40
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.19
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.22
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.21	-4.73	-4.16
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.21	-4.73	-4.16
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.43
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.04	2.58
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.04	2.58
Charlotte, NC	CO	Maintenance	100	-	0.00	0.11	7.91
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.25	17.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.07	5.39
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.07	4.95
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-55.89	-82.06	-48.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-55.89	-82.03	-46.09
Chico, CA	CO	Maintenance	100	-	0.00	0.02	1.32
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.04	2.90
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.29	20.07

Appendix B

**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.28	19.45
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.12
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.24	16.94
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.04	2.75
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.03	1.78
Cleveland, OH	CO	Maintenance	100	-	0.00	0.12	8.60
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.36	25.29
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.33	23.22
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.11	7.53
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.55
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.09	6.45
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.09	6.62
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.26	18.05
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.24	16.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.12	8.60
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.10	7.15
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	1.09	76.32
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.11	8.06
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.10	7.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-24.47	-35.93	-21.16
Denver-Boulder, CO	CO	Maintenance	100	-	-24.47	-35.95	-22.58
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-24.47	-35.84	-14.51
Detroit, MI	CO	Maintenance	100	-	-18.63	-27.49	-26.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-24.68	-36.05	-7.18
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-24.68	-36.06	-8.05

Appendix B

**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.39
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.35
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.28
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.77
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-44.22	-65.71	-94.48
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-13.38	-19.82	-24.13
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.31
Erie, PA	Ozone	Maintenance	100	-	0.00	0.03	2.21
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.03	2.40
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.03	2.30
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.04	2.53
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.22
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.19
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.04	2.99
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.08
Flint, MI	Ozone	Maintenance	100	-	0.00	0.07	5.10
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.03	1.95
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.05	3.70
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.02	1.58
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.33
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.07	4.64

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Table B.1-215							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.20
Fresno, CA	CO	Maintenance	100	-	-0.00	0.09	6.39
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.12	8.57
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.38
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.36
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.17
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.23	16.18
Greeley, CO	CO	Maintenance	100	-	0.00	0.02	1.31
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.02	1.26
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.49
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.44
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.23	16.20
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.11	7.93
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.12	8.75
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.22
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	1.17
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.13	8.97
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.12	8.28
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.15	10.34
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.11
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.44
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.40
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.71
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.04	2.86
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

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Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-183.40	-271.81	-341.11
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-24.20	-35.94	-49.90
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-24.20	-35.95	-51.28
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.27
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.03	2.45
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.03	2.40
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.33
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.30	20.94
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.24	16.64
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.02	1.53
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.02	1.23
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.03	2.11
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.87
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.96
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.13
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.07	4.99
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.32
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.25	17.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.02	1.51
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.28
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.83
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.24
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.11
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.48

Appendix B

**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.48
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.18	12.86
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.14	9.80
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.33
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.15
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.04	2.90
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.35
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.37
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.81
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.20
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.07	4.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.07	4.63
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.07	4.80
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.91
Las Vegas, NV	CO	Serious	100	-	0.00	0.24	16.94
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.24	17.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.84
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.12
Lima, OH	Ozone	Maintenance	100	-	-30.73	-45.66	-65.97
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	1.02
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.46

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**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-87.01	-127.09	-27.18
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-87.01	-127.09	-27.18
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-87.01	-127.09	-27.18
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-87.01	-127.09	-27.18
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-87.01	-127.09	-27.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.11	7.44
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.16	11.12
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.15	10.67
Lowell, MA	CO	Maintenance	100	-	0.00	0.02	1.20
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.04	2.82
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	0.57
Macon, GA	Ozone	Maintenance	100	-	0.00	0.03	1.96
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.93
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	0.00	0.04	2.71
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.12
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.72
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.98
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.04	2.99
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.32
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.23
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.27
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.88
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	2.10
Memphis, TN-AR	Ozone	Maintenance	100	-	-9.47	-13.95	-11.12
Memphis, TN	CO	Maintenance	100	-	-9.47	-13.96	-11.84
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.33

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**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.07	5.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.26	18.18
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.43	30.06
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.42	29.20
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.64
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.62
Modesto, CA	CO	Maintenance	100	-	0.00	0.05	3.55
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	1.20
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.37
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.28
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	1.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.16
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.02	1.32
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.58
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.25	17.29
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	1.76
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.02	1.52
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.11	7.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.06	4.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-9.87	-13.60	55.88
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-13.58	-18.13	119.83
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-13.58	-18.14	118.50
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.43

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**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-34.24	-50.68	-58.98
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.69
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.69
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.20
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	1.18
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	1.40
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.41
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.21
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	0.95
Perth Amboy, NJ	CO	Maintenance	100	-	-3.67	-5.44	-7.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.05	3.61
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-53.07	-78.28	-71.80
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-53.21	-78.20	-51.08
Phoenix, AZ	CO	Maintenance	100	-	-0.01	0.78	57.33
Phoenix, AZ	PM ₁₀	Serious	70	-	-0.01	0.80	58.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-0.01	0.81	59.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.10
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.00	0.26
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.01	0.26	19.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.01	0.23	17.74
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.21
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	-0.00	0.08	5.68

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Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.19	-0.13	11.15
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.43
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.21	15.05
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.14	10.17
Provo, UT	CO	Maintenance	100	-	0.00	0.03	1.80
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.20	14.12
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.27	19.19
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.00	0.05	3.32
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.32
Reno, NV	CO	Maintenance	100	-	0.00	0.04	2.47
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.05	0.10	12.19
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.56
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.11	7.53
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.04	2.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.84
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.19	13.37
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.03	1.80
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.19
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.25	17.20
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.45	31.55
Sacramento, CA	CO	Maintenance	100	-	0.01	0.28	19.33
Salem, OR	CO	Maintenance	100	-	0.00	0.02	1.29
Salt Lake City, UT	CO	Maintenance	100	-	-8.56	-12.69	-16.45

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Table B.1-215							
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DPM 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-8.56	-12.57	-7.99
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.15	10.68
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.28	19.56
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.07	4.62
San Diego, CA	CO	Maintenance	100	-	0.01	0.67	46.75
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.67	46.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-70.73	-104.18	-85.14
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-70.72	-104.05	-76.33
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.63	-0.21	50.41
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.63	-0.21	50.57
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.63	-0.21	50.41
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.37
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.10	6.69
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.45	31.66
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.02	1.23
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.21
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.18
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.06	4.52
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.01	1.44
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.04	3.13
Spokane, WA	CO	Maintenance	100	-	0.00	0.04	3.10
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.13	8.92
Springfield, MA	CO	Maintenance	100	-	0.00	0.02	1.49
St. Louis, MO	CO	Maintenance	100	-	0.00	0.12	8.21
St. Louis, MO-IL	Ozone	Moderate	50	-	-137.58	-204.11	-271.49
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-137.58	-204.12	-271.68

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DPM 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.03	1.81
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.22
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.39
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.24	-0.34	0.36
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.24	-0.34	0.36
Stockton, CA	CO	Maintenance	100	-	0.00	0.08	5.36
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.07	4.98
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	1.20
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.53
Toledo, OH	Ozone	Maintenance	100	-	-31.99	-47.48	-64.48
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	1.10
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	1.05
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.90
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Tucson, AZ	CO	Maintenance	100	-	0.00	0.15	10.70
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.07	5.22
Vancouver, WA	CO	Maintenance	100	-	0.00	0.05	3.48
Ventura County, CA	Ozone	Serious	50	-	-0.04	0.08	9.44
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	1.20
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.56
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.37
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.03	2.11
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.23	16.08

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**Table B.1-215
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.82	57.55
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.80	56.28
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.04	2.47
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	-14.64	-21.75	-31.08
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.02	1.36
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.36
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.06	4.19
Worcester, MA	CO	Maintenance	100	-	0.00	0.03	2.35
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.96
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.43
York, PA	Ozone	Maintenance	100	-	0.00	0.07	4.64
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.60
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.08	5.94
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	2.04

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.28	20.21
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.12	9.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.04	2.56
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.13	9.28
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.02	1.37
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.05	3.66
Anchorage, AK	CO	Maintenance	100	-	0.00	0.03	2.46
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Atlanta, GA	Ozone	Moderate	50	-	0.06	1.57	114.42
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	1.57	114.46
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.75
Bakersfield, CA	CO	Maintenance	100	-	-1.27	-1.50	5.55
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.15
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.68	49.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.68	49.31
Baton Rouge, LA	Ozone	Moderate	50	-	-75.41	-94.77	-116.56
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-240.21	-302.28	-401.30
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.03	2.34
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.44
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.03	2.44
Billings, MT	CO	Maintenance	100	-	-39.92	-50.24	-66.52
Birmingham, AL	Ozone	Maintenance	100	-	-3.55	-4.28	8.79

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-3.55	-4.28	8.84
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.08	5.51
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.08	5.51
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.32
Boston, MA	CO	Maintenance	100	-	0.01	0.18	12.96
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.04	1.10	80.38
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.15	10.73
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.23	17.13
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	-6.41	-8.01	-6.70
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-6.41	-8.01	-6.70
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.64
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.08
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.05	3.66
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.05	3.66
Charlotte, NC	CO	Maintenance	100	-	0.01	0.17	12.75
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.38	27.86
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.10	8.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.00	0.10	7.50
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-111.72	-139.13	-74.34
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-111.72	-139.08	-70.46
Chico, CA	CO	Maintenance	100	-	0.00	0.03	2.36
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.07	4.95
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.42	30.94

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.41	29.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.16
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.39	28.31
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.06	4.38
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.04	2.67
Cleveland, OH	CO	Maintenance	100	-	0.01	0.17	12.04
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.52	37.79
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.47	34.55
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.18	12.96
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.76
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.14	10.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.14	10.26
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.40	29.07
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.37	27.08
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.17	12.04
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.14	10.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.07	1.71	124.68
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.16	11.83
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.14	10.39
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-48.92	-60.90	-30.79
Denver-Boulder, CO	CO	Maintenance	100	-	-48.92	-60.93	-33.11
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-48.92	-60.75	-19.99
Detroit, MI	CO	Maintenance	100	-	-39.42	-49.37	-48.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-49.29	-61.11	-12.11
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-49.29	-61.13	-13.46

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**Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.62
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.51
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.42
Duluth, MN	CO	Maintenance	100	-	0.00	0.02	1.12
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-88.42	-111.25	-146.89
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-26.76	-33.58	-37.40
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.47
Erie, PA	Ozone	Maintenance	100	-	0.00	0.04	3.25
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.05	3.78
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.05	3.64
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.05	3.82
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.07	4.83
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.06	4.58
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.13
Flint, MI	Ozone	Maintenance	100	-	0.00	0.10	7.63
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.04	3.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.08	5.69
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.03	2.47
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	2.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.11	7.70

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.36
Fresno, CA	CO	Maintenance	100	-	0.00	0.14	10.30
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.19	13.61
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.53
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.61
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.23
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.33	24.21
Greeley, CO	CO	Maintenance	100	-	0.00	0.03	2.10
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.03	1.95
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.75
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.65
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.34	24.55
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.16	11.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.18	12.98
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.34
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.02	1.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.19	14.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.18	13.07
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.21	15.25
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.73
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.62
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.03	2.49
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.06	4.26
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-366.68	-460.33	-528.22
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-48.39	-60.85	-77.78
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-48.39	-60.88	-79.87
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.40
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.06	4.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.05	3.99
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.48
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.45	33.00
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.36	26.26
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.02	1.17
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.03	2.30
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.03	1.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.04	3.12
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.02	1.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.26
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.10	7.49
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.53
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.38	27.61
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.03	2.40
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.46
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	1.25
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.36
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.72

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.72
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.29	20.82
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.22	15.70
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.47
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.23
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.06	4.20
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.52
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.66
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.02	1.50
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.30
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.10	7.19
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.10	7.19
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.10	7.34
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	1.30
Las Vegas, NV	CO	Serious	100	-	0.02	0.39	28.31
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.39	28.61
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	1.22
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.16
Lima, OH	Ozone	Maintenance	100	-	-61.43	-77.31	-102.53
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	1.71
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.71

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-173.92	-215.52	-34.46
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-173.92	-215.52	-34.46
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-173.92	-215.52	-34.46
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-173.92	-215.52	-34.46
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-173.92	-215.52	-34.47
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.16	12.02
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.23	16.68
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.22	15.86
Lowell, MA	CO	Maintenance	100	-	0.00	0.03	1.93
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.06	4.07
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.01	0.82
Macon, GA	Ozone	Maintenance	100	-	0.00	0.04	2.79
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.04	2.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Madison, WI	SO _x	Maintenance	100	-	0.00	0.06	4.48
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.23
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	1.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	1.45
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.06	4.35
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	2.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.07	4.95
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.42
Medford, OR	CO	Maintenance	100	-	0.00	0.02	1.47
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.05	3.54
Memphis, TN-AR	Ozone	Maintenance	100	-	-18.94	-23.66	-18.16
Memphis, TN	CO	Maintenance	100	-	-18.94	-23.67	-19.17
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.54

Appendix B

Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.10	7.53
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.39	28.10
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.65	47.31
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.63	45.93
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	1.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.96
Modesto, CA	CO	Maintenance	100	-	0.00	0.08	5.95
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.03	2.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.63
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.40
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.02	1.44
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.03	2.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.81
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.38	27.47
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.04	3.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.03	2.54
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.16	11.37
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.08
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.08	6.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-19.71	-23.29	83.15
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-27.11	-31.15	182.32
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-27.11	-31.18	180.22
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.67

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-68.46	-85.86	-92.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	1.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	1.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.03	1.92
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	2.07
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	2.08
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.34
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	1.39
Perth Amboy, NJ	CO	Maintenance	100	-	-7.34	-9.21	-10.87
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.07	5.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-106.09	-132.67	-113.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-106.34	-132.57	-81.70
Phoenix, AZ	CO	Maintenance	100	-	0.01	1.33	100.94
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	1.37	103.51
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	1.37	103.76
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.01	0.50
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.01	0.36	28.75
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.01	0.33	26.25
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.31
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Portland, ME	Ozone	Maintenance	100	-	0.00	0.11	8.70

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.38	-0.26	16.92
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.63
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.34	24.73
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.12
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.22	15.88
Provo, UT	CO	Maintenance	100	-	0.00	0.04	2.95
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.31	22.89
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.43	31.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.00	0.07	5.03
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.07	5.03
Reno, NV	CO	Maintenance	100	-	0.00	0.05	3.80
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.09	0.13	18.62
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.95
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.18	12.96
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.05	3.79
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	1.31
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.28	20.30
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.04	2.66
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	1.79
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.40	29.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.03	0.74	54.08
Sacramento, CA	CO	Maintenance	100	-	0.02	0.45	32.80
Salem, OR	CO	Maintenance	100	-	0.00	0.03	1.93
Salt Lake City, UT	CO	Maintenance	100	-	-17.11	-21.49	-25.49

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-17.10	-21.31	-12.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.23	16.75
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.43	31.01
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.10	7.30
San Diego, CA	CO	Maintenance	100	-	0.04	1.07	78.01
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	1.07	78.16
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-141.39	-176.51	-127.61
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-141.39	-176.33	-113.98
San Joaquin Valley, CA	Ozone	Extreme	10	-	-1.23	-0.42	85.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-1.23	-0.41	85.23
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-1.23	-0.42	85.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.61
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.14	10.15
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.69	50.43
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.03	1.93
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.09	6.87
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.04	-0.02	1.77
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.07	4.97
Spokane, WA	CO	Maintenance	100	-	0.00	0.07	4.91
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.19	13.55
Springfield, MA	CO	Maintenance	100	-	0.00	0.03	2.38
St. Louis, MO	CO	Maintenance	100	-	0.01	0.15	11.22
St. Louis, MO-IL	Ozone	Moderate	50	-	-275.06	-345.67	-423.89
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-275.06	-345.67	-424.17

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Table B.1-216							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
DPM 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.04	2.90
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.38
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.55
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.48	-0.59	0.43
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.48	-0.59	0.43
Stockton, CA	CO	Maintenance	100	-	0.01	0.13	9.24
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.10	7.36
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.02	1.68
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.76
Toledo, OH	Ozone	Maintenance	100	-	-63.96	-80.41	-100.58
Toms River, NJ	CO	Maintenance	100	-	0.00	0.03	1.85
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	1.65
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	1.41
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Tucson, AZ	CO	Maintenance	100	-	0.01	0.24	17.27
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.12	8.43
Vancouver, WA	CO	Maintenance	100	-	0.00	0.08	5.75
Ventura County, CA	Ozone	Serious	50	-	-0.07	0.12	15.84
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.02	1.68
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.85
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.57
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.06	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.04	3.18
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.35	25.75

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Table B.1-216
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	1.26	92.26
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	1.24	90.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.05	3.80
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.90
Wayne County, MI	PM ₁₀	Maintenance	100	-	-30.50	-38.36	-49.77
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	1.88
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	1.88
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.09	6.46
Worcester, MA	CO	Maintenance	100	-	0.00	0.05	3.85
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	1.48
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.73
York, PA	Ozone	Maintenance	100	-	0.00	0.10	7.31
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.08	5.65
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.12	8.43
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.05	3.36

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	0.52
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.03	0.24
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.03	0.24
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.06
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.18	0.28	2.67
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.18	0.28	2.67
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.04	0.08
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.08	0.13	1.20
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.13	1.20
Baton Rouge, LA	Ozone	Moderate	50	-	-0.95	-1.23	-1.88
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.38	-4.40	-7.44
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.08
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.06
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	0.42

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Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.04	0.35
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.14	0.22	2.07
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.26
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.47
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.12
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.12
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.12
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.07	0.66
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.16	0.26	2.77
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.17	0.27	2.87
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.08	0.80

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Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.77
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.06	0.59
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Cleveland, OH	CO	Maintenance	100	-	0.03	0.04	0.39
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.07	0.11	1.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.10	0.97
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	0.25
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.02	0.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.26
Columbus, OH	Ozone	Maintenance	100	-	0.05	0.07	0.67
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.62
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.03	0.04	0.39
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.32
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.19	0.29	2.75
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.04	0.34
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.31
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.08	0.12	1.18
Denver-Boulder, CO	CO	Maintenance	100	-	0.08	0.12	1.13
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.10	0.15	1.43
Detroit, MI	CO	Maintenance	100	-	0.04	0.07	0.66
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.13	0.20	1.88
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.12	0.19	1.85

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Formaldehyde 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.19
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.09
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.13
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.21
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.15
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.16

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Table B.1-217
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Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	0.23
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	0.32
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.07	0.67
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.07	0.66
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.37
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.04	0.34
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.32
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.05	0.44
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-9.40	-12.22	-19.20
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.09
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.08	0.80
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.64
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.21
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.05	0.07	0.67
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.06
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	0.47
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.37
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.13
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.19
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.04
Las Vegas, NV	CO	Serious	100	-	0.04	0.06	0.59
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.06	0.60
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.36	0.58	5.98
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.36	0.58	5.98
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.36	0.58	5.98
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.36	0.58	5.98
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.36	0.58	5.98
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	0.27
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.05	0.46
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.45
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.09
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.13
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	0.39
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	0.36
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.22
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.05	0.08	0.72
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.08	-0.09	0.80
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.08	0.12	1.13
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.12
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	0.00	0.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	0.32
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.19
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.22	0.34	3.20
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.41	0.64	6.04
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.41	0.63	5.99
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

Appendix B

Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.07	0.64
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.12	-1.43	-0.97
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.06	-1.34	-0.13
Phoenix, AZ	CO	Maintenance	100	-	0.12	0.19	1.78
Phoenix, AZ	PM ₁₀	Serious	70	-	0.12	0.19	1.83
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.12	0.19	1.84
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.09	0.82
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.75
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	0.23

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Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.02	0.42
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	0.06	0.54
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.04	0.40
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.05	0.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.07	0.71
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.14
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.14
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.10
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.05	0.50
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.03	0.25
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.11
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.55
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.08
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	0.06	0.58
Sacramento Metro, CA	Ozone	Severe	25	-	0.07	0.11	1.03
Sacramento, CA	CO	Maintenance	100	-	0.04	0.07	0.64
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.07

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Table B.1-217							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	0.40
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.04	0.41
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	0.08	0.74
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.17
San Diego, CA	CO	Maintenance	100	-	0.11	0.17	1.62
San Diego, CA	Ozone	Former Subpart 1	50	-	0.11	0.17	1.62
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.38	-1.76	-0.95
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.36	-1.72	-0.61
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.08	0.13	1.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.08	0.13	1.68
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.08	0.13	1.67
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	0.27
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.04	1.05
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.12
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.04	0.36
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.06
St. Louis, MO	CO	Maintenance	100	-	0.03	0.04	0.39
St. Louis, MO-IL	Ozone	Moderate	50	-	0.08	0.13	1.22
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.08	0.13	1.21

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Table B.1-217							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.18
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.21
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.02	0.23
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.04	0.39
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.19
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.12
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	0.33
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.07	0.63

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Table B.1-217
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.15	0.23	2.15
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.14	0.22	2.11
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.10
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.17
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.09
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.18
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.14
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	0.27
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	0.12	1.83
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.06	0.84
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.21
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.06	0.85
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.15
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.24
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.36	0.65	9.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.37	0.65	9.59
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Bakersfield, CA	CO	Maintenance	100	-	-0.06	-0.08	0.43
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.16	0.29	4.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.16	0.29	4.28
Baton Rouge, LA	Ozone	Moderate	50	-	-1.84	-2.67	-3.42
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.55	-9.56	-15.00
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.26
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.01	0.21
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.06	0.10	1.45

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.06	0.10	1.46
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.03	0.47
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.47
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.05	0.08	1.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.28	0.49	7.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.06	0.93
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.11	1.65
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.03	0.42
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.42
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.03	0.40
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.40
Charlotte, NC	CO	Maintenance	100	-	0.04	0.07	1.05
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.09	0.16	2.36
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.78
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.71
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.32	0.59	9.96
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.34	0.62	10.30
Chico, CA	CO	Maintenance	100	-	0.01	0.01	0.16
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.36
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	0.19	2.82

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.18	2.73
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.08	0.15	2.15
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.37
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.26
Cleveland, OH	CO	Maintenance	100	-	0.05	0.09	1.34
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.14	0.25	3.68
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.23	3.39
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.92
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.09
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.06	0.85
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	0.06	0.93
Columbus, OH	Ozone	Maintenance	100	-	0.09	0.16	2.41
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.15	2.23
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	0.09	1.34
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.07	1.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.38	0.68	9.98
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.05	0.08	1.19
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	1.06
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.16	0.29	4.27
Denver-Boulder, CO	CO	Maintenance	100	-	0.16	0.28	4.09
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.20	0.35	5.15
Detroit, MI	CO	Maintenance	100	-	0.09	0.15	2.27
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	0.45	6.62
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.25	0.44	6.49

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Table B.1-218							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.12
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.29
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	0.05	0.70
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.04
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.33
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.31
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.36
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.47
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.42
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	0.05	0.74
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.04	0.52
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.22
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.19
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.59

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.03	0.06	0.84
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.08	1.16
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	0.16	2.35
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.18
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.18
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.07
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	0.16	2.32
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.08	1.15
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.09	1.28
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.16
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	0.08	1.22
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	1.13
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.10	1.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.25
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.42
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-18.25	-26.55	-35.88
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	0.38
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.01	0.19
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.31
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.31
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.11	0.19	2.87
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.09	0.15	2.27
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.22
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.18
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.31
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.16
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.05	0.72
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.09	0.16	2.38
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.21
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.12
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.04
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.07

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.06	0.12	1.70
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.05	0.09	1.32
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.43
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.05
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.04	0.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.64
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.05	0.68
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	0.14
Las Vegas, NV	CO	Serious	100	-	0.08	0.15	2.15
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.15	2.18
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.13
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.16
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.13
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.07

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.74	1.34	21.62
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.74	1.34	21.62
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.74	1.34	21.62
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.74	1.34	21.62
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.74	1.34	21.62
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.07	0.99
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.11	1.61
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.11	1.56
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.16
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.43
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.30
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.30
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.35
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.14
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.45
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.16
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.46
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.27
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.07	1.39
Memphis, TN	CO	Maintenance	100	-	0.03	0.07	1.28
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04

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Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.05	0.75
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.10	0.17	2.55
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.15	-0.17	3.39
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.15	0.27	4.01
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Modesto, CA	CO	Maintenance	100	-	0.02	0.03	0.44
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.15
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.17
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.19
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.09
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	0.02	2.11
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.20
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.08	1.12
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.04	0.65
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.43	0.76	11.18
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.81	1.44	21.24
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.80	1.42	21.06
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.06

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.09	0.15	2.25
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.10
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.15
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.21
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.21
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.14
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.04	0.56
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2.17	-3.09	0.63
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-2.06	-2.89	3.61
Phoenix, AZ	CO	Maintenance	100	-	0.26	0.46	6.74
Phoenix, AZ	PM ₁₀	Serious	70	-	0.26	0.47	6.95
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.27	0.47	6.97
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.11	0.19	2.86
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.18	2.61
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.05	0.80

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.05	1.55
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.07	0.13	1.95
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.10	1.41
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.23
Raleigh-Durham, NC	CO	Maintenance	100	-	0.07	0.13	1.87
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.10	0.17	2.54
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.03	0.48
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.48
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.35
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	0.12	1.75
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.92
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.37
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.11
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.13	1.91
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.27
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.17
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.08	0.14	2.14
Sacramento Metro, CA	Ozone	Severe	25	-	0.15	0.26	3.85
Sacramento, CA	CO	Maintenance	100	-	0.09	0.16	2.39
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.19
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.00	0.26

Appendix B

Table B.1-218							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.08	1.43
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	0.10	1.47
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.10	0.18	2.66
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.62
San Diego, CA	CO	Maintenance	100	-	0.23	0.40	5.94
San Diego, CA	Ozone	Former Subpart 1	50	-	0.23	0.40	5.95
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.67	-3.79	2.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.62	-3.70	3.23
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.16	0.32	6.31
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.16	0.32	6.33
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.32	6.31
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	0.06	0.96
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.11	3.99
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.17
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.04	0.65
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.25
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.42
Spokane, WA	CO	Maintenance	100	-	0.02	0.03	0.42
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.09	1.28
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.21
St. Louis, MO	CO	Maintenance	100	-	0.05	0.09	1.31
St. Louis, MO-IL	Ozone	Moderate	50	-	0.16	0.29	4.23
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.16	0.28	4.20

Appendix B

Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.24
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	0.14
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.14
Stockton, CA	CO	Maintenance	100	-	0.03	0.04	0.66
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.05	0.73
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.19
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.05	0.78
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.14
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.14
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.13
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.10	1.42
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	0.05	0.69
Vancouver, WA	CO	Maintenance	100	-	0.02	0.03	0.44
Ventura County, CA	Ozone	Serious	50	-	0.05	0.08	1.20
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.19
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.15	2.24

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Table B.1-218
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.29	0.52	7.72
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.29	0.51	7.56
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.35
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.21
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.59
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.31
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.05
York, PA	Ozone	Maintenance	100	-	0.02	0.04	0.64
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.49
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.06	0.91
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.27

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.32	0.38	7.23
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.17	3.29
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.05	0.87
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.17	3.34
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.03	0.53
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.06	1.14
Anchorage, AK	CO	Maintenance	100	-	0.04	0.04	0.85
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Atlanta, GA	Ozone	Moderate	50	-	1.74	2.06	39.53
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.75	2.06	39.55
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	0.28
Bakersfield, CA	CO	Maintenance	100	-	-0.14	-0.24	2.11
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.05
Baltimore, MD	Ozone	Moderate	50	-	0.76	0.90	17.31
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.76	0.90	17.31
Baton Rouge, LA	Ozone	Moderate	50	-	-5.41	-8.09	-7.76
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-19.49	-28.98	-39.17
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.05	0.92
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.14
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.04	0.85
Billings, MT	CO	Maintenance	100	-	0.02	0.02	0.41
Birmingham, AL	Ozone	Maintenance	100	-	0.24	0.29	5.50

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Table B.1-219							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.24	0.29	5.52
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.08	0.10	1.91
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.08	0.10	1.91
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Boston, MA	CO	Maintenance	100	-	0.21	0.25	4.71
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.27	1.50	28.81
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.20	3.77
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.02	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.28	0.33	6.31
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.08	1.57
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.08	1.57
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.24
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.07	1.43
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.07	1.43
Charlotte, NC	CO	Maintenance	100	-	0.19	0.23	4.38
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.43	0.50	9.67
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.13	0.16	2.99
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.14	2.74
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.61	1.84	40.22
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.67	1.91	41.59
Chico, CA	CO	Maintenance	100	-	0.03	0.04	0.73
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.08	1.61
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.48	0.57	11.09

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.47	0.55	10.75
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Clark County, NV	PM ₁₀	Serious	70	-	0.41	0.49	9.38
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.08	1.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.05	0.98
Cleveland, OH	CO	Maintenance	100	-	0.21	0.25	4.76
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.62	0.73	13.99
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.57	0.67	12.85
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.18	0.22	4.17
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.30
Colorado Springs, CO	CO	Maintenance	100	-	0.16	0.19	3.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Columbia, SC	Ozone	Former Subpart 1	50	-	0.16	0.19	3.66
Columbus, OH	Ozone	Maintenance	100	-	0.44	0.52	9.99
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.41	0.48	9.29
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.21	0.25	4.76
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.17	0.21	3.96
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.86	2.20	42.23
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.23	4.46
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.20	3.93
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.79	0.93	17.84
Denver-Boulder, CO	CO	Maintenance	100	-	0.75	0.89	17.06
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.95	1.12	21.52
Detroit, MI	CO	Maintenance	100	-	0.36	0.42	8.09
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.14	1.34	25.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.12	1.32	25.36

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Table B.1-219							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.22
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.19
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.16
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	0.43
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.06	1.10
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.12	0.15	2.81
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	0.17
Erie, PA	Ozone	Maintenance	100	-	0.05	0.06	1.22
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.07	1.33
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.07	1.27
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.07	1.40
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.09	1.78
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.11
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.09	1.65
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Flint, MI	Ozone	Maintenance	100	-	0.12	0.15	2.82
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.06	1.08
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.11	2.05
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.05	0.87
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.74
Fredericksburg, VA	Ozone	Maintenance	100	-	0.11	0.13	2.57

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.11
Fresno, CA	CO	Maintenance	100	-	0.16	0.18	3.54
Grand Rapids, MI	Ozone	Maintenance	100	-	0.21	0.25	4.74
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.21
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.20
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.10
Greater Connecticut, CT	Ozone	Moderate	50	-	0.40	0.47	8.95
Greeley, CO	CO	Maintenance	100	-	0.03	0.04	0.73
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.04	0.70
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	0.27
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.24
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.40	0.47	8.96
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.19	0.23	4.39
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.21	0.25	4.84
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	0.12
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	0.65
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.22	0.26	4.97
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.20	0.24	4.58
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.25	0.30	5.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.06
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.24
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	0.22
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.94
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.08	1.59
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-53.84	-80.41	-83.94
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.01	1.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.05	0.71
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.15
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.07	1.36
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.07	1.33
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.18
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.51	0.60	11.59
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.41	0.48	9.21
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	0.43
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	0.85
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.04	0.68
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.06	1.17
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	0.48
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.53
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	0.14	2.76
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.18
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.43	0.50	9.67
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.04	0.84
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.14
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.46
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	0.13
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	0.06
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	0.27

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.27
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.31	0.37	7.11
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.24	0.28	5.43
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.18
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.08
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.08	1.61
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.19
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.20
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.02	0.45
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.11
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.11	0.13	2.56
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.11	0.13	2.56
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.14	2.66
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	0.50
Las Vegas, NV	CO	Serious	100	-	0.41	0.49	9.38
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.42	0.49	9.49
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	0.46
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.07
Lima, OH	Ozone	Maintenance	100	-	0.03	0.03	0.58
Longmont, CO	CO	Maintenance	100	-	0.02	0.03	0.56
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.26

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.69	4.27	89.45
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.69	4.27	89.45
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.69	4.27	89.45
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.69	4.27	89.45
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.69	4.27	89.44
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.18	0.21	4.12
Louisville, KY-IN	Ozone	Maintenance	100	-	0.27	0.32	6.16
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.26	0.31	5.90
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	0.66
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.08	1.56
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.33
Macon, GA	Ozone	Maintenance	100	-	0.05	0.06	1.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	1.07
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.07	0.08	1.50
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	0.40
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.03	0.54
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.09	1.65
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	0.73
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.09	1.79
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.15
Medford, OR	CO	Maintenance	100	-	0.02	0.03	0.49
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.06	1.16
Memphis, TN-AR	Ozone	Maintenance	100	-	0.19	0.21	5.19
Memphis, TN	CO	Maintenance	100	-	0.17	0.19	4.79
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.18

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.12	0.15	2.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.44	0.52	10.06
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.19	-0.51	14.68
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.71	0.84	16.16
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	0.35
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.34
Modesto, CA	CO	Maintenance	100	-	0.09	0.10	1.96
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	0.67
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	0.20
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	0.15
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	0.58
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.09
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.04	0.73
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	0.32
Nashville, TN	Ozone	Former Subpart 1	50	-	0.13	0.06	8.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.97
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.04	0.84
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.19	0.22	4.24
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
New York County, NY	PM ₁₀	Moderate	100	-	0.10	0.12	2.37
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.89	2.23	42.86
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.65	4.31	82.76
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.62	4.27	82.02
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.24

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.38	0.45	8.70
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	0.38
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	0.38
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	0.65
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	0.78
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.78
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.03	0.53
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.03	0.50
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.10	2.00
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-6.10	-9.40	9.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-5.59	-8.79	20.84
Phoenix, AZ	CO	Maintenance	100	-	1.40	1.65	31.75
Phoenix, AZ	PM ₁₀	Serious	70	-	1.44	1.70	32.62
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.44	1.70	32.72
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	0.15
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.48	0.56	10.77
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.43	0.51	9.83
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.11
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.14	0.16	3.14

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.15	0.14	6.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.24
Poughkeepsie, NY	Ozone	Moderate	50	-	0.37	0.43	8.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Providence (entire State), RI	Ozone	Moderate	50	-	0.25	0.29	5.63
Provo, UT	CO	Maintenance	100	-	0.04	0.05	1.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.34	0.41	7.81
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.47	0.55	10.62
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.08	0.10	1.84
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	1.84
Reno, NV	CO	Maintenance	100	-	0.06	0.07	1.37
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.30	0.35	6.81
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.31
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.18	0.22	4.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.07	1.41
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	0.46
Rochester, NY	Ozone	Former Subpart 1	50	-	0.33	0.38	7.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	0.05	1.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	0.66
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.42	0.50	9.52
Sacramento Metro, CA	Ozone	Severe	25	-	0.77	0.91	17.46
Sacramento, CA	CO	Maintenance	100	-	0.47	0.56	10.70
Salem, OR	CO	Maintenance	100	-	0.03	0.04	0.71
Salt Lake City, UT	CO	Maintenance	100	-	0.01	-0.01	1.12

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Table B.1-219							
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Formaldehyde 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.21	0.23	5.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.26	0.31	5.91
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.48	0.56	10.82
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.11	0.13	2.56
San Diego, CA	CO	Maintenance	100	-	1.14	1.35	25.87
San Diego, CA	Ozone	Former Subpart 1	50	-	1.14	1.35	25.92
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-7.30	-11.36	19.32
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-7.09	-11.11	24.20
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.01	1.11	28.14
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.02	1.12	28.22
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.01	1.11	28.14
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.21
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.16	0.19	3.70
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.42	0.38	16.76
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.04	0.68
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	0.12
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.10
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.13	2.50
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.04	0.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.09	1.73
Spokane, WA	CO	Maintenance	100	-	0.08	0.09	1.71
Springfield (western MA), MA	Ozone	Moderate	50	-	0.22	0.26	4.94
Springfield, MA	CO	Maintenance	100	-	0.04	0.04	0.82
St. Louis, MO	CO	Maintenance	100	-	0.20	0.24	4.54
St. Louis, MO-IL	Ozone	Moderate	50	-	0.70	0.82	15.84
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.69	0.82	15.74

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Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.05	1.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.12
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	0.22
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.03	0.49
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.49
Stockton, CA	CO	Maintenance	100	-	0.13	0.15	2.97
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.14	2.76
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.03	0.67
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.29
Toledo, OH	Ozone	Maintenance	100	-	0.13	0.15	2.93
Toms River, NJ	CO	Maintenance	100	-	0.03	0.03	0.61
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	0.58
Trenton, NJ	CO	Maintenance	100	-	0.02	0.03	0.50
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.26	0.31	5.92
Utah County, UT	PM ₁₀	Moderate	100	-	0.13	0.15	2.89
Vancouver, WA	CO	Maintenance	100	-	0.08	0.10	1.92
Ventura County, CA	Ozone	Serious	50	-	0.23	0.27	5.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.03	0.67
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	0.31
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	0.20
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.06	1.17
Washington, DC-MD-VA	CO	Maintenance	100	-	0.39	0.46	8.90

Appendix B

Table B.1-219
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.41	1.66	31.85
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.37	1.62	31.14
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.07	1.37
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	0.36
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.02	0.47
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	0.75
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.75
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.12	2.32
Worcester, MA	CO	Maintenance	100	-	0.06	0.07	1.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.53
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	0.24
York, PA	Ozone	Maintenance	100	-	0.11	0.13	2.57
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.10	1.99
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.17	3.29
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.06	1.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	1.00	1.08	11.56
Albuquerque, NM	CO	Maintenance	100	-	0.45	0.48	5.20
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.13	0.14	1.46
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.46	0.50	5.31
Altoona, PA	Ozone	Maintenance	100	-	0.07	0.07	0.79
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.18	0.20	2.09
Anchorage, AK	CO	Maintenance	100	-	0.12	0.13	1.41
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Atlanta, GA	Ozone	Moderate	50	-	5.64	6.10	65.42
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.64	6.11	65.45
Atlantic City, NJ	CO	Maintenance	100	-	0.04	0.04	0.43
Bakersfield, CA	CO	Maintenance	100	-	-0.13	-0.23	3.57
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	0.08
Baltimore, MD	Ozone	Moderate	50	-	2.43	2.63	28.20
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.43	2.63	28.20
Baton Rouge, LA	Ozone	Moderate	50	-	-10.62	-13.46	-12.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-38.89	-48.96	-61.26
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.12	0.12	1.34
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.25
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.12	0.13	1.39
Billings, MT	CO	Maintenance	100	-	0.06	0.06	0.64
Birmingham, AL	Ozone	Maintenance	100	-	0.73	0.79	8.48

Appendix B

Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.73	0.79	8.51
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.27	0.29	3.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.27	0.29	3.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.02	0.02	0.18
Boston, MA	CO	Maintenance	100	-	0.64	0.69	7.41
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.96	4.29	45.96
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.53	0.57	6.14
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	0.03
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.84	0.91	9.80
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.15
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.21
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.21	0.22	2.38
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.21	0.22	2.38
Case County, MI	Ozone	Maintenance	100	-	0.03	0.03	0.37
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.18	0.20	2.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.18	0.20	2.10
Charlotte, NC	CO	Maintenance	100	-	0.63	0.68	7.29
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.37	1.49	15.93
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.40	0.43	4.64
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.37	0.40	4.30
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.30	5.68	65.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.49	5.88	67.41
Chico, CA	CO	Maintenance	100	-	0.12	0.13	1.35
Chico, CA	Ozone	Former Subpart 1	50	-	0.24	0.26	2.83
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.51	1.64	17.67

Appendix B

Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.47	1.58	17.10
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
Clark County, NV	PM ₁₀	Serious	70	-	1.39	1.51	16.19
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.22	0.23	2.50
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.13	0.14	1.53
Cleveland, OH	CO	Maintenance	100	-	0.59	0.64	6.88
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.86	2.02	21.61
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.70	1.84	19.76
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.64	0.69	7.41
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.04	0.43
Colorado Springs, CO	CO	Maintenance	100	-	0.52	0.56	6.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.51	0.55	5.86
Columbus, OH	Ozone	Maintenance	100	-	1.43	1.55	16.62
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.33	1.44	15.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.59	0.64	6.88
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.51	0.55	5.94
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	6.14	6.65	71.29
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.58	0.63	6.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.51	0.55	5.94
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.57	2.78	29.82
Denver-Boulder, CO	CO	Maintenance	100	-	2.46	2.66	28.50
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	3.10	3.36	35.99
Detroit, MI	CO	Maintenance	100	-	0.93	1.00	10.73
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.52	3.81	40.86
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.45	3.74	40.10

Appendix B

Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	0.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.03	0.03	0.29
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.02	0.24
Duluth, MN	CO	Maintenance	100	-	0.06	0.06	0.64
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.09
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	0.16	1.67
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.39	0.42	4.54
El Paso, TX	CO	Maintenance	100	-	0.02	0.03	0.27
Erie, PA	Ozone	Maintenance	100	-	0.16	0.17	1.86
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.19	0.20	2.16
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.18	0.19	2.08
Evansville, IN	Ozone	Maintenance	100	-	0.19	0.20	2.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.24	0.26	2.76
Fairbanks, AK	CO	Maintenance	100	-	0.02	0.02	0.18
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.23	0.24	2.62
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Flint, MI	Ozone	Maintenance	100	-	0.38	0.41	4.36
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.16	0.17	1.84
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.28	0.30	3.25
Franklin County, PA	Ozone	Maintenance	100	-	0.12	0.13	1.41
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.10	0.11	1.17
Fredericksburg, VA	Ozone	Maintenance	100	-	0.38	0.41	4.40

Appendix B

Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	0.20
Fresno, CA	CO	Maintenance	100	-	0.51	0.55	5.89
Grand Rapids, MI	Ozone	Maintenance	100	-	0.67	0.73	7.78
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.03	0.03	0.30
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	0.35
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	0.13
Greater Connecticut, CT	Ozone	Moderate	50	-	1.19	1.29	13.84
Greeley, CO	CO	Maintenance	100	-	0.10	0.11	1.20
Green Bay, WI	SO _x	Maintenance	100	-	0.10	0.10	1.11
Greene County, IN	Ozone	Maintenance	100	-	0.04	0.04	0.43
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.03	0.37
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.21	1.31	14.04
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.59	0.64	6.81
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.64	0.69	7.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.02	0.19
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.09	0.10	1.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.70	0.76	8.11
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.64	0.70	7.47
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.75	0.81	8.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.04	0.04	0.42
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.04
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.03	0.36
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.13	1.42
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.21	0.23	2.44
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

Appendix B

Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-100.20	-126.83	-119.36
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.07	2.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.04	1.01
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.23
Imperial County, CA	Ozone	Moderate	50	-	0.20	0.22	2.33
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.20	0.21	2.28
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.27
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.63	1.76	18.87
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.29	1.40	15.02
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.06	0.67
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.12	1.31
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.10	1.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.15	0.17	1.78
Johnstown, PA	Ozone	Maintenance	100	-	0.06	0.06	0.65
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.72
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.12
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.37	0.40	4.28
Kalispell, MT	PM ₁₀	Moderate	100	-	0.03	0.03	0.30
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.36	1.47	15.78
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.12	0.13	1.37
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.25
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.07	0.71
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.02	0.20
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.09
Klamath Falls, OR	CO	Maintenance	100	-	0.04	0.04	0.41

Appendix B

Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.04	0.04	0.41
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.03	1.11	11.90
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.77	0.84	8.98
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.27
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.13
Lake County, IN	SO _x	Maintenance	100	-	0.21	0.22	2.40
Lake County, OH	SO _x	Maintenance	100	-	0.03	0.03	0.30
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.04	0.38
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.08	0.86
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	0.17
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.35	0.38	4.11
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.35	0.38	4.11
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.36	0.39	4.20
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.07	0.74
Las Vegas, NV	CO	Serious	100	-	1.39	1.51	16.19
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.41	1.53	16.36
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.07	0.70
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.09
Lima, OH	Ozone	Maintenance	100	-	0.08	0.08	0.89
Longmont, CO	CO	Maintenance	100	-	0.08	0.09	0.98
Lorain County, OH	SO _x	Maintenance	100	-	0.04	0.04	0.41

Appendix B

Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	12.27	13.19	148.01
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	12.27	13.19	148.01
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	12.27	13.19	148.01
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	12.27	13.19	148.01
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	12.27	13.19	148.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.59	0.64	6.87
Louisville, KY-IN	Ozone	Maintenance	100	-	0.82	0.89	9.54
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.78	0.85	9.07
Lowell, MA	CO	Maintenance	100	-	0.10	0.10	1.10
Lucas County, OH	SO _x	Maintenance	100	-	0.20	0.22	2.33
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	0.49
Macon, GA	Ozone	Maintenance	100	-	0.14	0.15	1.59
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.15	1.57
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.22	0.24	2.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.13
Manchester, NH	CO	Maintenance	100	-	0.05	0.05	0.57
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.08	0.83
Marion County, IN	SO _x	Maintenance	100	-	0.21	0.23	2.49
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.12	1.30
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.24	0.26	2.83
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.24
Medford, OR	CO	Maintenance	100	-	0.07	0.08	0.84
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.17	0.19	2.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.60	0.63	7.82
Memphis, TN	CO	Maintenance	100	-	0.55	0.58	7.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.03	0.03	0.31

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Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.37	0.40	4.31
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.38	1.50	16.07
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.48	0.20	24.00
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.26	2.45	26.26
Missoula, MT	CO	Maintenance	100	-	0.05	0.05	0.57
Missoula, MT	PM ₁₀	Moderate	100	-	0.05	0.05	0.55
Modesto, CA	CO	Maintenance	100	-	0.29	0.32	3.40
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.11	1.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	0.03	0.36
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.02	0.23
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.08	0.83
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	0.14
Muskegon, MI	Ozone	Maintenance	100	-	0.10	0.11	1.16
Nashua, NH	CO	Maintenance	100	-	0.04	0.04	0.46
Nashville, TN	Ozone	Former Subpart 1	50	-	0.80	0.77	14.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.15	0.17	1.79
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.13	0.14	1.45
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.56	0.61	6.50
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.30	0.33	3.50
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.75	6.22	66.70
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	11.26	12.19	130.64
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	11.15	12.08	129.43
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	0.38

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Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.18	1.27	13.64
Ogden, UT	CO	Maintenance	100	-	0.05	0.05	0.59
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.05	0.59
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.15
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.09	0.10	1.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.11	1.18
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.11	1.19
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	0.19
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.07	0.07	0.80
Perth Amboy, NJ	CO	Maintenance	100	-	0.08	0.08	0.89
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.25	0.27	2.92
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-11.09	-14.52	14.27
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-9.50	-12.80	32.71
Phoenix, AZ	CO	Maintenance	100	-	4.98	5.39	57.76
Phoenix, AZ	PM ₁₀	Serious	70	-	5.10	5.53	59.23
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	5.12	5.54	59.37
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.03	0.28
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.42	1.54	16.47
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.30	1.40	15.03
Polk County, TN	SO _x	Maintenance	100	-	0.02	0.02	0.18
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Portland, ME	Ozone	Maintenance	100	-	0.43	0.46	4.98

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Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.62	0.63	9.65
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.03	0.36
Poughkeepsie, NY	Ozone	Moderate	50	-	1.22	1.32	14.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
Providence (entire State), RI	Ozone	Moderate	50	-	0.78	0.85	9.08
Provo, UT	CO	Maintenance	100	-	0.15	0.16	1.69
Raleigh-Durham, NC	CO	Maintenance	100	-	1.13	1.22	13.09
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.53	1.66	17.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.25	0.27	2.88
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.25	0.27	2.88
Reno, NV	CO	Maintenance	100	-	0.19	0.20	2.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.93	1.00	10.74
Rillito, AZ	PM ₁₀	Moderate	100	-	0.05	0.05	0.54
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.64	0.69	7.41
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.19	0.20	2.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.07	0.75
Rochester, NY	Ozone	Former Subpart 1	50	-	1.00	1.08	11.61
Rocky Mount, NC	Ozone	Maintenance	100	-	0.13	0.14	1.52
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.09	0.10	1.02
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.44	1.55	16.66
Sacramento Metro, CA	Ozone	Severe	25	-	2.66	2.88	30.92
Sacramento, CA	CO	Maintenance	100	-	1.62	1.75	18.75
Salem, OR	CO	Maintenance	100	-	0.10	0.10	1.11
Salt Lake City, UT	CO	Maintenance	100	-	0.07	0.06	1.84

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Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.73	0.77	9.41
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.83	0.89	9.57
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.53	1.65	17.73
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.36	0.39	4.18
San Diego, CA	CO	Maintenance	100	-	3.84	4.16	44.60
San Diego, CA	Ozone	Former Subpart 1	50	-	3.85	4.17	44.69
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-12.45	-16.63	34.46
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-11.78	-15.91	42.26
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.79	4.01	49.03
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.80	4.02	49.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.79	4.01	49.03
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.03	0.35
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.50	0.54	5.81
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.82	1.85	27.74
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.10	1.10
Sheridan, WY	PM ₁₀	Moderate	100	-	0.02	0.02	0.18
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.02	0.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.34	0.37	3.93
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.09	0.10	1.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.24	0.26	2.84
Spokane, WA	CO	Maintenance	100	-	0.24	0.26	2.81
Springfield (western MA), MA	Ozone	Moderate	50	-	0.67	0.72	7.75
Springfield, MA	CO	Maintenance	100	-	0.12	0.13	1.36
St. Louis, MO	CO	Maintenance	100	-	0.55	0.60	6.42
St. Louis, MO-IL	Ozone	Moderate	50	-	2.08	2.25	24.14
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	2.07	2.24	23.98

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Table B.1-220							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1							
Formaldehyde 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.14	0.15	1.66
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.22
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.03	0.32
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.07	0.71
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.71
Stockton, CA	CO	Maintenance	100	-	0.46	0.49	5.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.36	0.39	4.21
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.08	0.09	0.96
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.04	0.44
Toledo, OH	Ozone	Maintenance	100	-	0.38	0.42	4.46
Toms River, NJ	CO	Maintenance	100	-	0.09	0.10	1.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.08	0.09	0.94
Trenton, NJ	CO	Maintenance	100	-	0.07	0.08	0.80
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Tucson, AZ	CO	Maintenance	100	-	0.85	0.92	9.88
Utah County, UT	PM ₁₀	Moderate	100	-	0.42	0.45	4.82
Vancouver, WA	CO	Maintenance	100	-	0.28	0.31	3.29
Ventura County, CA	Ozone	Serious	50	-	0.79	0.85	9.13
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Vigo County, IN	SO _x	Maintenance	100	-	0.08	0.09	0.96
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.05	0.49
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.03	0.33
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.16	0.17	1.82
Washington, DC-MD-VA	CO	Maintenance	100	-	1.27	1.37	14.72

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Table B.1-220
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C1
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.55	4.92	52.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.44	4.81	51.53
Washoe County, NV	PM ₁₀	Serious	70	-	0.19	0.20	2.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.05	0.51
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.09	0.10	1.09
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.09	0.10	1.07
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.10	1.07
Winston-Salem, NC	CO	Maintenance	100	-	0.32	0.34	3.70
Worcester, MA	CO	Maintenance	100	-	0.19	0.21	2.20
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.08	0.85
Yakima, WA	CO	Maintenance	100	-	0.04	0.04	0.42
York, PA	Ozone	Maintenance	100	-	0.36	0.39	4.18
York, PA	PM _{2.5}	Nonattainment	100	-	0.28	0.30	3.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.42	0.45	4.82
Yuma, AZ	PM ₁₀	Moderate	100	-	0.17	0.18	1.92

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; primary PM_{2.5} in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.17	0.19	0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.34	0.38	0.09
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.36	0.39	0.10
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	107.54	118.51	29.40
Albuquerque, NM	CO	Maintenance	100	-	49.84	54.92	13.66
Allegan County, MI	Ozone	Former Subpart 1	50	-	12.00	13.22	3.29
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	49.92	55.00	13.56
Altoona, PA	Ozone	Maintenance	100	-	8.81	9.71	2.41
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	12.95	14.28	3.55
Anchorage, AK	CO	Maintenance	100	-	11.66	12.85	3.19
Anthony, NM	PM ₁₀	Moderate	100	-	0.64	0.70	0.17
Armstrong County, PA	SO _x	Nonattainment	100	-	0.41	0.46	0.11
Aspen, CO	PM ₁₀	Maintenance	100	-	0.58	0.64	0.16
Atlanta, GA	Ozone	Moderate	50	-	555.12	611.72	151.86
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	555.45	612.09	151.95
Atlantic City, NJ	CO	Maintenance	100	-	4.38	4.83	1.20
Bakersfield, CA	CO	Maintenance	100	-	35.61	39.05	8.73
Baltimore, MD	CO	Maintenance	100	-	0.86	0.94	0.22
Baltimore, MD	Ozone	Moderate	50	-	249.22	274.56	67.75
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	249.22	274.55	67.75
Baton Rouge, LA	Ozone	Moderate	50	-	-25.04	-48.11	-116.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-39.13	-60.73	-104.50
Benton County, TN	SO _x	Maintenance	100	-	0.10	0.11	0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	15.66	17.26	4.28
Benzie County, MI	Ozone	Maintenance	100	-	1.85	2.04	0.51
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.23	13.48	3.35
Billings, MT	CO	Maintenance	100	-	-8.50	-12.90	-21.11
Birmingham, AL	Ozone	Maintenance	100	-	85.93	94.55	22.76

Appendix B

Table B.1-221							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	86.21	94.86	22.83
Boise-Northern Ada County, ID	CO	Maintenance	100	-	26.80	29.49	7.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	26.80	29.49	7.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.36	1.50	0.37
Boston, MA	CO	Maintenance	100	-	72.41	79.80	19.84
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	430.15	474.05	117.89
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	54.25	59.78	14.87
Boyd County (part), KY	SO _x	Maintenance	100	-	0.84	0.93	0.23
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	98.16	108.17	26.90
Burlington, NJ	CO	Maintenance	100	-	0.72	0.80	0.20
Butte, MT	PM ₁₀	Moderate	100	-	1.83	2.01	0.50
Canon City, CO	PM ₁₀	Maintenance	100	-	1.60	1.76	0.44
Canton-Massillon, OH	Ozone	Maintenance	100	-	21.54	22.84	1.16
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	21.54	22.84	1.16
Case County, MI	Ozone	Maintenance	100	-	3.72	4.10	1.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.06	0.06	0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.56	0.62	0.15
Charleston, WV	Ozone	Maintenance	100	-	23.98	26.43	6.57
Charleston, WV	PM _{2.5}	Nonattainment	100	-	23.98	26.43	6.57
Charlotte, NC	CO	Maintenance	100	-	60.89	67.11	16.69
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	136.82	150.79	37.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	46.47	51.21	12.73
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	42.18	46.48	11.55
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	480.34	502.71	-10.32
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	500.51	524.94	-4.80
Chico, CA	CO	Maintenance	100	-	8.60	9.47	2.36
Chico, CA	Ozone	Former Subpart 1	50	-	20.11	22.16	5.51
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	166.12	183.08	45.53

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Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	161.37	177.84	44.23
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	1.21	1.34	0.33
Clark County, NV	PM ₁₀	Serious	70	-	121.95	134.39	33.42
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	21.57	23.78	5.91
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	15.34	16.91	4.20
Cleveland, OH	CO	Maintenance	100	-	81.46	89.77	22.32
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	219.45	241.85	60.14
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	202.64	223.32	55.54
Coachella Valley, CA	PM ₁₀	Serious	70	-	51.05	56.26	13.99
Colbert County, AL	SO _x	Maintenance	100	-	5.20	5.73	1.43
Colorado Springs, CO	CO	Maintenance	100	-	47.92	52.65	12.27
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.45	0.49	0.12
Columbia, SC	Ozone	Former Subpart 1	50	-	54.88	60.48	15.04
Columbus, OH	Ozone	Maintenance	100	-	139.02	153.21	38.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	128.83	141.98	35.31
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.29	0.31	0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.03	0.03	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	81.46	89.77	22.32
Cuyahoga County, OH	SO _x	Maintenance	100	-	66.37	73.14	18.19
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	572.22	630.51	156.23
Dayton-Springfield, OH	Ozone	Maintenance	100	-	71.67	78.98	19.64
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	63.41	69.89	17.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	237.92	260.17	54.41
Denver-Boulder, CO	CO	Maintenance	100	-	227.22	248.39	51.48
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	288.46	315.87	68.24
Detroit, MI	CO	Maintenance	100	-	134.40	147.33	32.62
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	386.73	425.18	100.52
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	379.48	417.18	98.53

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Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	3.06	3.38	0.84
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	3.00	3.31	0.82
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.36	2.60	0.65
Duluth, MN	CO	Maintenance	100	-	7.02	7.74	1.92
Eagle River, AK	PM ₁₀	Moderate	100	-	0.70	0.77	0.19
East Chicago, IN	CO	Maintenance	100	-	0.09	0.10	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-38.75	-56.26	-82.81
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.08	0.09	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	36.10	38.72	4.21
El Paso, TX	CO	Maintenance	100	-	2.64	2.91	0.72
Erie, PA	Ozone	Maintenance	100	-	19.51	21.50	5.35
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.13	0.14	0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	19.27	21.23	5.28
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	18.40	20.27	5.04
Evansville, IN	Ozone	Maintenance	100	-	21.49	23.69	5.89
Evansville, IN	PM _{2.5}	Nonattainment	100	-	27.71	30.53	7.59
Fairbanks, AK	CO	Maintenance	100	-	1.42	1.57	0.39
Fayetteville, NC	Ozone	Former Subpart 1	50	-	24.91	27.45	6.83
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.59	0.65	0.16
Flint, MI	Ozone	Maintenance	100	-	44.27	48.79	12.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.10	0.11	0.03
Fort Collins, CO	CO	Maintenance	100	-	14.45	15.92	3.96
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.06	0.07	0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	30.78	33.92	8.44
Franklin County, PA	Ozone	Maintenance	100	-	12.74	14.04	3.49
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.07	0.07	0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	11.00	12.13	3.02
Fredericksburg, VA	Ozone	Maintenance	100	-	33.80	37.25	9.26

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Table B.1-221							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	1.41	1.55	0.39
Fresno, CA	CO	Maintenance	100	-	48.39	53.30	13.14
Grand Rapids, MI	Ozone	Maintenance	100	-	67.55	74.44	18.51
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	3.53	3.89	0.96
Grant County, NM	SO _x	Maintenance	100	-	0.23	0.26	0.06
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.04	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	2.70	2.97	0.74
Great Falls, MT	CO	Maintenance	100	-	1.71	1.89	0.47
Greater Connecticut, CT	Ozone	Moderate	50	-	139.94	154.20	38.20
Greeley, CO	CO	Maintenance	100	-	10.23	11.27	2.80
Green Bay, WI	SO _x	Maintenance	100	-	10.30	11.35	2.82
Greene County, IN	Ozone	Maintenance	100	-	4.11	4.52	1.13
Greene County, PA	Ozone	Maintenance	100	-	3.88	4.28	1.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	137.50	151.49	37.49
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	68.13	75.05	18.48
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	76.51	84.27	20.76
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.91	2.11	0.52
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	9.68	10.67	2.65
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	71.29	78.55	19.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	65.83	72.54	17.98
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	90.88	100.13	24.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.82	0.90	0.22
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.19	3.52	0.88
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.41	0.46	0.11
Hazelwood, PA	SO _x	Maintenance	100	-	3.42	3.77	0.93
Hickory, NC	PM _{2.5}	Nonattainment	100	-	15.30	16.86	4.19
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	25.04	27.60	6.86
Hollis Township, IL	SO _x	Maintenance	100	-	0.21	0.23	0.06

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Table B.1-221							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	349.40	356.18	-58.12
Humphreys County, TN	SO _x	Maintenance	100	-	0.23	0.25	0.06
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-29.55	-45.94	-79.39
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-41.33	-58.93	-82.62
Huron County, MI	Ozone	Maintenance	100	-	2.44	2.69	0.67
Imperial County, CA	Ozone	Moderate	50	-	17.84	19.66	4.89
Imperial Valley, CA	PM ₁₀	Serious	70	-	17.44	19.22	4.78
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.86	3.15	0.78
Indianapolis, IN	CO	Maintenance	100	-	0.09	0.10	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	167.34	184.42	45.86
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	132.53	146.05	36.32
Jackson County, IN	Ozone	Maintenance	100	-	6.74	7.43	1.85
Jamestown, NY	Ozone	Former Subpart 1	50	-	13.21	14.55	3.62
Jefferson County, NY	Ozone	Moderate	50	-	10.47	11.54	2.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.68	0.75	0.19
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	18.52	20.41	5.08
Johnstown, PA	Ozone	Maintenance	100	-	8.95	9.86	2.45
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	9.80	10.80	2.69
Juneau, AK	PM ₁₀	Moderate	100	-	0.87	0.96	0.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	42.91	47.29	11.76
Kalispell, MT	PM ₁₀	Moderate	100	-	2.41	2.66	0.66
Kansas City, MO-KS	Ozone	Maintenance	100	-	138.49	152.51	37.33
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	11.94	13.16	3.27
Kent, WA	PM ₁₀	Maintenance	100	-	2.05	2.26	0.56
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	6.99	7.71	1.92
Kewaunee County, WI	Ozone	Maintenance	100	-	2.10	2.32	0.58
King County, WA	PM ₁₀	Maintenance	100	-	0.85	0.94	0.23
Klamath Falls, OR	CO	Maintenance	100	-	4.22	4.65	1.16

Appendix B

**Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	4.22	4.65	1.16
Knoxville, TN	Ozone	Former Subpart 1	50	-	98.02	108.02	26.86
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	76.26	84.04	20.90
La Porte County, IN	SO _x	Maintenance	100	-	3.00	3.30	0.82
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.27	1.40	0.35
Lake County, IN	SO _x	Maintenance	100	-	25.98	28.59	6.92
Lake County, OH	SO _x	Maintenance	100	-	3.04	3.35	0.83
Lake County, OR	PM ₁₀	Maintenance	100	-	0.52	0.58	0.14
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	2.29	2.52	0.63
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	4.86	5.36	1.33
Lake Tahoe, NV	CO	Maintenance	100	-	1.70	1.88	0.47
Lamar, CO	PM ₁₀	Maintenance	100	-	0.76	0.83	0.21
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.12	0.14	0.03
Lancaster, PA	Ozone	Maintenance	100	-	37.77	41.61	10.27
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	37.77	41.61	10.27
Lane County, OR	PM ₁₀	Moderate	100	-	0.13	0.14	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	40.30	44.41	11.04
LaPorte, IN	Ozone	Maintenance	100	-	8.40	9.26	2.30
Las Vegas, NV	CO	Serious	100	-	121.95	134.39	33.42
Las Vegas, NV	Ozone	Former Subpart 1	50	-	123.86	136.50	33.94
Lauderdale County, AL	SO _x	Maintenance	100	-	7.55	8.32	2.07
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.15	0.16	0.04
Libby, MT	PM ₁₀	Moderate	100	-	0.38	0.42	0.10
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.51	0.56	0.14
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	1.21	1.34	0.33
Lima, OH	Ozone	Maintenance	100	-	-0.95	-3.52	-13.40
Longmont, CO	CO	Maintenance	100	-	7.46	8.22	2.04
Lorain County, OH	SO _x	Maintenance	100	-	3.88	4.27	1.06

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**Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1,177.94	1,277.01	210.15
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1,177.94	1,277.01	210.15
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1,177.94	1,277.01	210.15
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1,177.96	1,277.03	210.15
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1,177.88	1,276.94	210.13
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	57.08	62.90	15.64
Louisville, KY-IN	Ozone	Maintenance	100	-	96.02	105.82	26.32
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	93.16	102.67	25.53
Lowell, MA	CO	Maintenance	100	-	9.48	10.45	2.60
Lucas County, OH	SO _x	Maintenance	100	-	25.75	28.37	7.06
Lyons Township, IL	PM ₁₀	Maintenance	100	-	5.35	5.89	1.46
Macon, GA	Ozone	Maintenance	100	-	18.12	19.97	4.97
Macon, GA	PM _{2.5}	Nonattainment	100	-	17.94	19.77	4.92
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.25	0.27	0.07
Madison, WI	SO _x	Maintenance	100	-	20.06	22.11	5.50
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.74	0.81	0.20
Manchester, NH	CO	Maintenance	100	-	6.65	7.33	1.82
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	8.66	9.55	2.37
Marion County, IN	SO _x	Maintenance	100	-	26.87	29.61	7.36
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	8.99	9.91	2.46
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	26.91	29.66	7.37
Mason County, MI	Ozone	Maintenance	100	-	2.21	2.44	0.61
Medford, OR	CO	Maintenance	100	-	6.35	7.00	1.74
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	15.11	16.66	4.14
Memphis, TN-AR	Ozone	Maintenance	100	-	80.87	87.96	15.95
Memphis, TN	CO	Maintenance	100	-	73.88	80.26	14.04
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.41	2.66	0.66

Appendix B

**Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.46	0.50	0.12
Milwaukee, WI	SO _x	Maintenance	100	-	45.34	49.97	12.43
Milwaukee-Racine, WI	Ozone	Moderate	50	-	149.77	165.06	41.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	116.90	99.00	-126.88
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	233.67	257.41	63.45
Missoula, MT	CO	Maintenance	100	-	4.90	5.35	1.05
Missoula, MT	PM ₁₀	Moderate	100	-	4.75	5.18	1.02
Modesto, CA	CO	Maintenance	100	-	24.84	27.37	6.81
Mohave County, AZ	PM ₁₀	Maintenance	100	-	8.33	9.18	2.28
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.11	0.12	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.29	0.31	0.08
Morristown, NJ	CO	Maintenance	100	-	2.67	2.94	0.73
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.50	2.76	0.69
Muncie, IN	Ozone	Maintenance	100	-	10.11	11.14	2.77
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.37	0.40	0.10
Muscatine County, IA	SO _x	Maintenance	100	-	1.28	1.41	0.35
Muskegon, MI	Ozone	Maintenance	100	-	10.89	12.00	2.97
Nashua, NH	CO	Maintenance	100	-	5.30	5.84	1.45
Nashville, TN	Ozone	Former Subpart 1	50	-	136.02	149.86	37.08
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	10.96	12.08	3.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	11.48	12.65	3.15
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	67.10	73.94	18.39
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.52	0.57	0.14
New York County, NY	PM ₁₀	Moderate	100	-	39.44	43.47	10.81
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	660.16	726.38	174.75
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1,248.36	1,374.02	332.84
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1,237.90	1,362.50	329.98
Nogales, AZ	PM ₁₀	Moderate	100	-	3.41	3.75	0.93

Appendix B

Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-235.19	-347.91	-537.05
Ogden, UT	CO	Maintenance	100	-	5.99	6.60	1.64
Ogden, UT	PM ₁₀	Moderate	100	-	5.99	6.60	1.64
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.21	0.23	0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.82	2.00	0.50
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	8.80	9.70	2.41
Owens Valley, CA	PM ₁₀	Serious	70	-	0.31	0.34	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	12.41	13.68	3.40
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	12.50	13.77	3.42
Payson, AZ	PM ₁₀	Maintenance	100	-	1.61	1.78	0.44
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.04	0.01
Peoria, IL	SO _x	Maintenance	100	-	8.57	9.44	2.33
Perth Amboy, NJ	CO	Maintenance	100	-	4.02	3.87	-1.91
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	33.85	37.31	9.28
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	307.75	322.53	-4.20
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	483.35	516.05	43.84
Phoenix, AZ	CO	Maintenance	100	-	369.61	407.29	101.11
Phoenix, AZ	PM ₁₀	Serious	70	-	381.33	420.22	104.33
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	382.70	421.73	104.70
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.92	1.01	0.25
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.12	0.13	0.03
Pittsburgh, PA	CO	Maintenance	100	-	1.90	2.09	0.52
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	171.11	188.54	46.74
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	156.34	172.27	42.69
Polk County, TN	SO _x	Maintenance	100	-	1.79	1.97	0.49
Polson, MT	PM ₁₀	Moderate	100	-	0.24	0.26	0.07
Portland, ME	Ozone	Maintenance	100	-	46.92	51.61	12.36

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Table B.1-221							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	97.84	107.74	26.35
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.74	4.12	1.03
Poughkeepsie, NY	Ozone	Moderate	50	-	111.72	123.13	30.62
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.80	0.88	0.22
Providence (entire State), RI	Ozone	Moderate	50	-	81.95	90.20	21.83
Provo, UT	CO	Maintenance	100	-	13.30	14.66	3.65
Raleigh-Durham, NC	CO	Maintenance	100	-	107.40	118.34	29.32
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	146.64	161.59	40.08
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.17	0.18	0.04
Reading, PA	Ozone	Maintenance	100	-	28.23	31.11	7.74
Reading, PA	PM _{2.5}	Nonattainment	100	-	28.23	31.11	7.74
Reno, NV	CO	Maintenance	100	-	20.59	22.69	5.64
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.08	0.08	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	103.41	113.93	28.18
Rillito, AZ	PM ₁₀	Moderate	100	-	3.94	4.34	1.08
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	51.05	56.26	13.99
Roanoke, VA	Ozone	Former Subpart 1	50	-	22.39	24.68	6.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	6.70	7.38	1.84
Rochester, NY	Ozone	Former Subpart 1	50	-	113.33	124.90	31.06
Rocky Mount, NC	Ozone	Maintenance	100	-	15.89	17.51	4.35
Rome, GA	PM _{2.5}	Nonattainment	100	-	10.20	11.24	2.80
Ronan, MT	PM ₁₀	Moderate	100	-	0.09	0.10	0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.22	0.24	0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	120.30	132.58	32.97
Sacramento Metro, CA	Ozone	Severe	25	-	213.79	235.45	57.78
Sacramento, CA	CO	Maintenance	100	-	133.64	147.26	36.53
Salem, OR	CO	Maintenance	100	-	11.15	12.28	3.05
Salt Lake City, UT	CO	Maintenance	100	-	16.31	17.64	2.67

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Table B.1-221							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	84.70	93.00	21.41
Salt Lake County, UT	SO _x	Nonattainment	100	-	86.10	94.89	23.60
San Antonio, TX	Ozone	Former Subpart 1	50	-	154.49	170.23	42.16
San Bernardino County, CA	PM ₁₀	Moderate	100	-	35.36	38.96	9.69
San Diego, CA	CO	Maintenance	100	-	337.14	371.54	92.40
San Diego, CA	Ozone	Former Subpart 1	50	-	337.76	372.23	92.57
San Francisco Bay Area, CA	Ozone	Marginal	50	-	508.30	555.48	114.29
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	579.54	633.99	133.82
San Joaquin Valley, CA	Ozone	Extreme	10	-	366.44	403.61	99.20
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	368.14	405.48	99.67
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	366.44	403.61	99.20
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	2.74	3.02	0.75
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.06	0.07	0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	56.67	62.45	15.53
Seattle-Tacoma, WA	CO	Maintenance	100	-	247.99	273.30	67.96
Sheboygan, WI	Ozone	Moderate	50	-	9.94	10.95	2.72
Sheridan, WY	PM ₁₀	Moderate	100	-	1.86	2.05	0.51
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.46	1.60	0.40
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	38.24	42.13	10.45
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	15.41	16.98	4.22
Spokane County, WA	PM ₁₀	Maintenance	100	-	24.67	27.19	6.76
Spokane, WA	CO	Maintenance	100	-	24.43	26.92	6.69
Springfield (western MA), MA	Ozone	Moderate	50	-	75.38	83.02	20.39
Springfield, MA	CO	Maintenance	100	-	12.01	13.22	3.19
St. Louis, MO	CO	Maintenance	100	-	80.34	88.54	22.02
St. Louis, MO-IL	Ozone	Moderate	50	-	233.09	252.04	38.12
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	231.43	250.21	37.67

Appendix B

Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	14.16	15.60	3.88
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.47	1.62	0.40
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	3.71	4.08	1.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	7.28	7.77	0.64
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	7.28	7.77	0.64
Stockton, CA	CO	Maintenance	100	-	37.45	41.27	10.26
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	43.90	48.38	12.03
Telluride, CO	PM ₁₀	Maintenance	100	-	0.11	0.12	0.03
Terre Haute, IN	Ozone	Maintenance	100	-	11.45	12.62	3.14
Tioga County, PA	Ozone	Maintenance	100	-	4.86	5.36	1.33
Toledo, OH	Ozone	Maintenance	100	-	17.18	11.76	-33.50
Toms River, NJ	CO	Maintenance	100	-	8.14	8.97	2.23
Tooele County, UT	SO _x	Nonattainment	100	-	8.43	9.29	2.31
Trenton, NJ	CO	Maintenance	100	-	7.45	8.21	2.04
Trona, CA	PM ₁₀	Moderate	100	-	0.25	0.28	0.07
Tucson, AZ	CO	Maintenance	100	-	81.99	90.36	22.47
Utah County, UT	PM ₁₀	Moderate	100	-	39.99	44.07	10.96
Vancouver, WA	CO	Maintenance	100	-	25.24	27.82	6.92
Ventura County, CA	Ozone	Serious	50	-	67.53	74.30	17.88
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.62	0.69	0.17
Vigo County, IN	SO _x	Maintenance	100	-	11.45	12.62	3.14
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	4.79	5.28	1.31
Warren County, NJ	SO _x	Maintenance	100	-	3.01	3.32	0.82
Warren County, PA	SO _x	Nonattainment	100	-	1.21	1.32	0.29
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	18.05	19.89	4.95
Washington, DC-MD-VA	CO	Maintenance	100	-	131.76	145.21	36.11

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Table B.1-221
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	446.91	492.52	122.48
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	437.81	482.49	119.99
Washoe County, NV	PM ₁₀	Serious	70	-	20.59	22.69	5.64
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.35	0.38	0.10
Wayne County, IN	SO _x	Maintenance	100	-	6.27	6.91	1.72
Wayne County, MI	PM ₁₀	Maintenance	100	-	3.89	3.76	-1.72
Weirton, WV	PM ₁₀	Maintenance	100	-	0.85	0.94	0.23
Weirton, WV	SO _x	Maintenance	100	-	1.12	1.23	0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	13.03	14.36	3.57
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	13.03	14.36	3.57
Winston-Salem, NC	CO	Maintenance	100	-	34.56	38.08	9.47
Worcester, MA	CO	Maintenance	100	-	17.99	19.83	4.93
Yakima County, WA	PM ₁₀	Maintenance	100	-	7.78	8.58	2.13
Yakima, WA	CO	Maintenance	100	-	3.11	3.43	0.85
York, PA	Ozone	Maintenance	100	-	37.12	40.91	10.17
York, PA	PM _{2.5}	Nonattainment	100	-	28.90	31.85	7.92
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	55.30	60.95	15.16
Yuma, AZ	PM ₁₀	Moderate	100	-	15.18	16.73	4.16

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.36	0.44	-0.85
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.75	0.92	-1.78
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.78	0.95	-1.86
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	234.47	285.37	-555.26
Albuquerque, NM	CO	Maintenance	100	-	108.14	131.63	-255.99
Allegan County, MI	Ozone	Former Subpart 1	50	-	26.73	32.53	-63.27
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	108.65	132.20	-257.59
Altoona, PA	Ozone	Maintenance	100	-	18.69	22.75	-44.24
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	30.51	37.13	-72.22
Anchorage, AK	CO	Maintenance	100	-	26.08	31.74	-61.73
Anthony, NM	PM ₁₀	Moderate	100	-	1.38	1.68	-3.26
Armstrong County, PA	SO _x	Nonattainment	100	-	0.90	1.09	-2.13
Aspen, CO	PM ₁₀	Maintenance	100	-	1.29	1.57	-3.05
Atlanta, GA	Ozone	Moderate	50	-	1,228.98	1,495.78	-2,910.08
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1,229.66	1,496.60	-2,911.68
Atlantic City, NJ	CO	Maintenance	100	-	9.43	11.48	-22.32
Bakersfield, CA	CO	Maintenance	100	-	79.53	96.42	-191.59
Baltimore, MD	CO	Maintenance	100	-	1.83	2.23	-4.40
Baltimore, MD	Ozone	Moderate	50	-	547.90	666.68	-1,298.75
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	547.89	666.67	-1,298.73
Baton Rouge, LA	Ozone	Moderate	50	-	-35.80	-83.71	-270.73
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-70.30	-120.00	-138.66
Benton County, TN	SO _x	Maintenance	100	-	0.21	0.26	-0.50
Benton Harbor, MI	Ozone	Maintenance	100	-	33.03	40.20	-78.23
Benzie County, MI	Ozone	Maintenance	100	-	4.20	5.11	-9.95
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	26.92	32.77	-63.73
Billings, MT	CO	Maintenance	100	-	-15.34	-25.57	-24.76
Birmingham, AL	Ozone	Maintenance	100	-	184.82	224.66	-440.06

Appendix B

Table B.1-222							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	185.42	225.39	-441.48
Boise-Northern Ada County, ID	CO	Maintenance	100	-	59.28	72.06	-141.17
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	59.28	72.06	-141.17
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	3.06	3.73	-7.25
Boston, MA	CO	Maintenance	100	-	156.47	190.45	-370.38
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	936.97	1,140.45	-2,217.93
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	119.34	145.25	-282.49
Boyd County (part), KY	SO _x	Maintenance	100	-	1.78	2.17	-4.22
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	211.57	257.52	-500.82
Burlington, NJ	CO	Maintenance	100	-	1.51	1.83	-3.57
Butte, MT	PM ₁₀	Moderate	100	-	3.82	4.65	-9.05
Canon City, CO	PM ₁₀	Maintenance	100	-	3.57	4.35	-8.46
Canton-Massillon, OH	Ozone	Maintenance	100	-	46.71	55.11	-125.98
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	46.71	55.11	-125.98
Case County, MI	Ozone	Maintenance	100	-	8.00	9.74	-18.94
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.13	0.15	-0.30
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	1.17	1.42	-2.76
Charleston, WV	Ozone	Maintenance	100	-	50.72	61.74	-120.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	50.72	61.74	-120.07
Charlotte, NC	CO	Maintenance	100	-	135.18	164.54	-319.99
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	302.29	367.94	-715.56
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	100.16	121.90	-237.10
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	91.19	110.99	-215.87
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1,079.30	1,261.56	-3,016.68
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1,123.44	1,315.29	-3,121.17
Chico, CA	CO	Maintenance	100	-	19.96	24.30	-47.26
Chico, CA	Ozone	Former Subpart 1	50	-	46.00	55.99	-108.89
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	361.68	440.22	-856.14

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	351.12	427.37	-831.14
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	2.55	3.10	-6.03
Clark County, NV	PM ₁₀	Serious	70	-	275.83	335.73	-652.92
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	47.63	57.98	-112.76
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	33.05	40.23	-78.23
Cleveland, OH	CO	Maintenance	100	-	171.54	208.79	-406.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	472.04	574.56	-1,117.40
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	435.26	529.79	-1,030.33
Coachella Valley, CA	PM ₁₀	Serious	70	-	117.50	143.02	-278.14
Colbert County, AL	SO _x	Maintenance	100	-	10.94	13.31	-25.89
Colorado Springs, CO	CO	Maintenance	100	-	107.19	130.15	-256.55
Columbia Falls, MT	PM ₁₀	Moderate	100	-	1.01	1.23	-2.38
Columbia, SC	Ozone	Former Subpart 1	50	-	119.40	145.33	-282.64
Columbus, OH	Ozone	Maintenance	100	-	308.56	375.57	-730.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	286.20	348.36	-677.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.60	0.73	-1.45
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.07	0.08	-0.16
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	171.54	208.80	-406.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	140.26	170.73	-332.03
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1,279.29	1,556.90	-3,030.19
Dayton-Springfield, OH	Ozone	Maintenance	100	-	153.22	186.49	-362.69
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	135.42	164.83	-320.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	531.44	642.89	-1,293.10
Denver-Boulder, CO	CO	Maintenance	100	-	507.61	613.88	-1,236.69
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	644.05	779.94	-1,559.73
Detroit, MI	CO	Maintenance	100	-	285.06	345.43	-688.42
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	840.38	1,020.88	-2,007.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	824.61	1,001.68	-1,969.75

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Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	6.76	8.23	-16.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	6.49	7.90	-15.36
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	5.13	6.25	-12.15
Duluth, MN	CO	Maintenance	100	-	14.93	18.17	-35.33
Eagle River, AK	PM ₁₀	Moderate	100	-	1.57	1.92	-3.73
East Chicago, IN	CO	Maintenance	100	-	0.19	0.24	-0.46
East Chicago, IN	PM ₁₀	Maintenance	100	-	-72.64	-114.93	-62.88
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.18	0.22	-0.43
El Paso County, TX	PM ₁₀	Moderate	100	-	80.46	95.84	-208.94
El Paso, TX	CO	Maintenance	100	-	5.74	6.99	-13.61
Erie, PA	Ozone	Maintenance	100	-	41.76	50.83	-98.86
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.29	0.35	-0.68
Eugene-Springfield, OR	CO	Maintenance	100	-	42.24	51.42	-100.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	40.37	49.14	-95.56
Evansville, IN	Ozone	Maintenance	100	-	46.46	56.55	-109.98
Evansville, IN	PM _{2.5}	Nonattainment	100	-	59.75	72.72	-141.43
Fairbanks, AK	CO	Maintenance	100	-	3.18	3.88	-7.54
Fayetteville, NC	Ozone	Former Subpart 1	50	-	54.12	65.87	-128.10
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	1.32	1.60	-3.12
Flint, MI	Ozone	Maintenance	100	-	95.23	115.91	-225.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.21	0.25	-0.49
Fort Collins, CO	CO	Maintenance	100	-	32.43	39.47	-76.76
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.13	0.16	-0.31
Fort Wayne, IN	Ozone	Maintenance	100	-	66.92	81.46	-158.42
Franklin County, PA	Ozone	Maintenance	100	-	27.92	33.98	-66.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.14	0.17	-0.33
Frederick County, VA	Ozone	Former Subpart 1	50	-	23.96	29.16	-56.71
Fredericksburg, VA	Ozone	Maintenance	100	-	76.18	92.72	-180.32

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Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	3.17	3.86	-7.51
Fresno, CA	CO	Maintenance	100	-	108.09	131.52	-256.24
Grand Rapids, MI	Ozone	Maintenance	100	-	148.97	181.32	-352.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	7.47	9.09	-17.70
Grant County, NM	SO _x	Maintenance	100	-	0.49	0.60	-1.16
Grants Pass, OR	CO	Maintenance	100	-	0.08	0.10	-0.19
Grants Pass, OR	PM ₁₀	Maintenance	100	-	6.04	7.35	-14.29
Great Falls, MT	CO	Maintenance	100	-	3.58	4.36	-8.47
Greater Connecticut, CT	Ozone	Moderate	50	-	301.23	366.59	-713.53
Greeley, CO	CO	Maintenance	100	-	22.62	27.54	-53.55
Green Bay, WI	SO _x	Maintenance	100	-	22.56	27.46	-53.40
Greene County, IN	Ozone	Maintenance	100	-	8.91	10.85	-21.09
Greene County, PA	Ozone	Maintenance	100	-	8.32	10.13	-19.70
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	297.37	361.87	-704.53
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	146.89	178.72	-348.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	164.19	199.78	-389.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	4.13	5.03	-9.78
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	21.10	25.69	-49.95
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	156.89	190.93	-371.58
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	144.81	176.24	-343.00
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	194.85	237.11	-461.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	1.84	2.24	-4.35
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	7.19	8.75	-17.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.90	1.10	-2.14
Hazelwood, PA	SO _x	Maintenance	100	-	7.35	8.95	-17.43
Hickory, NC	PM _{2.5}	Nonattainment	100	-	32.64	39.73	-77.26
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	53.76	65.44	-127.26
Hollis Township, IL	SO _x	Maintenance	100	-	0.44	0.54	-1.04

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Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	797.66	914.39	-2,388.75
Humphreys County, TN	SO _x	Maintenance	100	-	0.50	0.61	-1.19
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-53.31	-91.07	-105.71
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-78.78	-122.07	-45.42
Huron County, MI	Ozone	Maintenance	100	-	5.21	6.34	-12.33
Imperial County, CA	Ozone	Moderate	50	-	40.24	48.98	-95.25
Imperial Valley, CA	PM ₁₀	Serious	70	-	39.35	47.89	-93.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	6.14	7.48	-14.54
Indianapolis, IN	CO	Maintenance	100	-	0.18	0.22	-0.43
Indianapolis, IN	Ozone	Maintenance	100	-	367.72	447.57	-870.43
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	291.45	354.75	-689.91
Jackson County, IN	Ozone	Maintenance	100	-	14.52	17.68	-34.38
Jamestown, NY	Ozone	Former Subpart 1	50	-	28.45	34.63	-67.34
Jefferson County, NY	Ozone	Moderate	50	-	22.65	27.57	-53.62
Jefferson County, OH	PM ₁₀	Maintenance	100	-	1.42	1.73	-3.35
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	39.71	48.33	-93.99
Johnstown, PA	Ozone	Maintenance	100	-	18.51	22.53	-43.81
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	20.30	24.70	-48.04
Juneau, AK	PM ₁₀	Moderate	100	-	1.98	2.41	-4.69
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	92.49	112.57	-218.93
Kalispell, MT	PM ₁₀	Moderate	100	-	5.39	6.57	-12.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	304.81	370.77	-723.56
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	26.32	32.04	-62.31
Kent, WA	PM ₁₀	Maintenance	100	-	4.60	5.59	-10.88
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	15.17	18.47	-35.91
Kewaunee County, WI	Ozone	Maintenance	100	-	4.52	5.50	-10.69
King County, WA	PM ₁₀	Maintenance	100	-	1.88	2.29	-4.45
Klamath Falls, OR	CO	Maintenance	100	-	9.06	11.02	-21.44

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	9.06	11.02	-21.44
Knoxville, TN	Ozone	Former Subpart 1	50	-	218.15	265.52	-516.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	168.80	205.46	-399.57
La Porte County, IN	SO _x	Maintenance	100	-	6.36	7.74	-15.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	2.75	3.35	-6.51
Lake County, IN	SO _x	Maintenance	100	-	55.42	67.38	-131.85
Lake County, OH	SO _x	Maintenance	100	-	6.54	7.96	-15.48
Lake County, OR	PM ₁₀	Maintenance	100	-	1.11	1.35	-2.63
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	5.40	6.57	-12.78
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	11.54	14.04	-27.31
Lake Tahoe, NV	CO	Maintenance	100	-	3.71	4.51	-8.77
Lamar, CO	PM ₁₀	Maintenance	100	-	1.62	1.97	-3.83
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.26	0.32	-0.62
Lancaster, PA	Ozone	Maintenance	100	-	82.51	100.40	-195.59
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	82.51	100.40	-195.59
Lane County, OR	PM ₁₀	Moderate	100	-	0.26	0.32	-0.63
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	87.43	106.42	-206.97
LaPorte, IN	Ozone	Maintenance	100	-	17.80	21.67	-42.14
Las Vegas, NV	CO	Serious	100	-	275.83	335.73	-652.92
Las Vegas, NV	Ozone	Former Subpart 1	50	-	279.90	340.68	-662.56
Lauderdale County, AL	SO _x	Maintenance	100	-	16.10	19.60	-38.11
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.32	0.39	-0.75
Libby, MT	PM ₁₀	Moderate	100	-	0.80	0.98	-1.90
Libby, MT	PM _{2.5}	Nonattainment	100	-	1.07	1.30	-2.53
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	2.55	3.10	-6.03
Lima, OH	Ozone	Maintenance	100	-	-0.14	-4.99	-42.43
Longmont, CO	CO	Maintenance	100	-	16.75	20.39	-39.66
Lorain County, OH	SO _x	Maintenance	100	-	8.42	10.24	-19.92

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	2,629.62	3,159.33	-6,591.22
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	2,629.62	3,159.33	-6,591.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	2,629.62	3,159.33	-6,591.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	2,629.65	3,159.37	-6,591.30
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	2,629.48	3,159.16	-6,590.90
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	126.89	154.45	-300.37
Louisville, KY-IN	Ozone	Maintenance	100	-	206.83	251.74	-489.58
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	200.08	243.53	-473.61
Lowell, MA	CO	Maintenance	100	-	20.81	25.33	-49.27
Lucas County, OH	SO _x	Maintenance	100	-	54.72	66.61	-129.54
Lyons Township, IL	PM ₁₀	Maintenance	100	-	11.38	13.85	-26.94
Macon, GA	Ozone	Maintenance	100	-	38.37	46.71	-90.84
Macon, GA	PM _{2.5}	Nonattainment	100	-	37.97	46.21	-89.88
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.53	0.64	-1.25
Madison, WI	SO _x	Maintenance	100	-	44.98	54.74	-106.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.75	2.13	-4.14
Manchester, NH	CO	Maintenance	100	-	14.16	17.24	-33.53
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	18.56	22.60	-43.94
Marion County, IN	SO _x	Maintenance	100	-	57.31	69.75	-135.65
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	20.69	25.18	-48.97
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	58.47	71.17	-138.42
Mason County, MI	Ozone	Maintenance	100	-	4.83	5.88	-11.44
Medford, OR	CO	Maintenance	100	-	14.32	17.43	-33.90
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	34.16	41.58	-80.86
Memphis, TN-AR	Ozone	Maintenance	100	-	173.38	208.75	-430.62
Memphis, TN	CO	Maintenance	100	-	158.71	190.89	-395.89
Miami (Gila County), AZ	SO _x	Maintenance	100	-	5.40	6.58	-12.79

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.96	1.17	-2.28
Milwaukee, WI	SO _x	Maintenance	100	-	96.80	117.83	-229.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	326.46	397.35	-772.77
Minneapolis-St Paul, MN	CO	Maintenance	100	-	286.20	289.99	-1,194.45
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	513.14	624.36	-1,216.58
Missoula, MT	CO	Maintenance	100	-	10.81	13.05	-26.55
Missoula, MT	PM ₁₀	Moderate	100	-	10.48	12.65	-25.72
Modesto, CA	CO	Maintenance	100	-	56.73	69.06	-134.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	19.05	23.18	-45.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.26	0.32	-0.62
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.61	0.74	-1.45
Morristown, NJ	CO	Maintenance	100	-	5.99	7.29	-14.17
Muhlenberg County, KY	SO _x	Maintenance	100	-	5.32	6.47	-12.59
Muncie, IN	Ozone	Maintenance	100	-	21.20	25.81	-50.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.81	0.99	-1.92
Muscatine County, IA	SO _x	Maintenance	100	-	2.78	3.38	-6.57
Muskegon, MI	Ozone	Maintenance	100	-	23.71	28.86	-56.17
Nashua, NH	CO	Maintenance	100	-	11.30	13.75	-26.75
Nashville, TN	Ozone	Former Subpart 1	50	-	300.07	365.16	-710.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	25.88	31.51	-61.27
New Haven County, CT	PM ₁₀	Maintenance	100	-	25.50	31.04	-60.37
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	144.05	175.34	-340.99
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	1.10	1.34	-2.60
New York County, NY	PM ₁₀	Moderate	100	-	83.62	101.77	-197.93
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1,424.73	1,731.87	-3,392.62
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	2,709.44	3,294.45	-6,443.80
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	2,686.38	3,266.38	-6,389.21
Nogales, AZ	PM ₁₀	Moderate	100	-	7.49	9.12	-17.73

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-433.04	-700.63	-512.31
Ogden, UT	CO	Maintenance	100	-	12.88	15.67	-30.48
Ogden, UT	PM ₁₀	Moderate	100	-	12.88	15.68	-30.48
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.44	0.53	-1.04
Olmsted County, MN	PM ₁₀	Maintenance	100	-	3.86	4.70	-9.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	19.69	23.97	-46.61
Owens Valley, CA	PM ₁₀	Serious	70	-	0.71	0.86	-1.68
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	26.57	32.34	-62.90
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	26.75	32.56	-63.32
Payson, AZ	PM ₁₀	Maintenance	100	-	3.58	4.36	-8.47
Penns Grove, NJ	CO	Maintenance	100	-	0.09	0.11	-0.21
Peoria, IL	SO _x	Maintenance	100	-	18.28	22.24	-43.34
Perth Amboy, NJ	CO	Maintenance	100	-	9.77	10.79	-32.94
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	71.47	87.00	-169.19
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	678.01	792.74	-1,892.99
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1,059.46	1,257.01	-2,796.19
Phoenix, AZ	CO	Maintenance	100	-	864.16	1,051.77	-2,046.17
Phoenix, AZ	PM ₁₀	Serious	70	-	890.46	1,083.78	-2,108.44
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	893.49	1,087.46	-2,115.60
Pierce County, WA	PM ₁₀	Maintenance	100	-	1.96	2.39	-4.65
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.24	0.29	-0.57
Pittsburgh, PA	CO	Maintenance	100	-	4.25	5.17	-10.06
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	366.82	446.42	-868.82
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	335.10	407.82	-793.74
Polk County, TN	SO _x	Maintenance	100	-	3.85	4.68	-9.11
Polson, MT	PM ₁₀	Moderate	100	-	0.54	0.65	-1.27
Portland, ME	Ozone	Maintenance	100	-	102.10	124.09	-243.32

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	211.78	257.60	-502.80
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	8.04	9.78	-19.02
Poughkeepsie, NY	Ozone	Moderate	50	-	250.49	304.90	-592.96
Presque Isle, ME	PM ₁₀	Maintenance	100	-	1.69	2.06	-4.00
Providence (entire State), RI	Ozone	Moderate	50	-	179.50	218.25	-426.94
Provo, UT	CO	Maintenance	100	-	29.88	36.37	-70.72
Raleigh-Durham, NC	CO	Maintenance	100	-	239.15	291.05	-566.47
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	326.14	396.92	-772.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.35	0.43	-0.84
Reading, PA	Ozone	Maintenance	100	-	61.05	74.31	-144.51
Reading, PA	PM _{2.5}	Nonattainment	100	-	61.05	74.31	-144.51
Reno, NV	CO	Maintenance	100	-	44.78	54.50	-105.99
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.18	0.21	-0.41
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	224.22	272.85	-531.26
Rillito, AZ	PM ₁₀	Moderate	100	-	8.94	10.88	-21.16
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	117.50	143.02	-278.14
Roanoke, VA	Ozone	Former Subpart 1	50	-	48.04	58.47	-113.71
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	14.72	17.92	-34.85
Rochester, NY	Ozone	Former Subpart 1	50	-	245.25	298.51	-580.54
Rocky Mount, NC	Ozone	Maintenance	100	-	34.03	41.42	-80.56
Rome, GA	PM _{2.5}	Nonattainment	100	-	22.00	26.78	-52.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.21	0.25	-0.49
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.46	0.56	-1.10
Sacramento County, CA	PM ₁₀	Moderate	100	-	274.39	333.98	-649.53
Sacramento Metro, CA	Ozone	Severe	25	-	492.16	598.75	-1,167.65
Sacramento, CA	CO	Maintenance	100	-	306.04	372.47	-724.76
Salem, OR	CO	Maintenance	100	-	24.02	29.24	-56.86
Salt Lake City, UT	CO	Maintenance	100	-	36.18	43.38	-91.52

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	186.02	225.75	-446.20
Salt Lake County, UT	SO _x	Nonattainment	100	-	188.77	229.77	-446.85
San Antonio, TX	Ozone	Former Subpart 1	50	-	340.48	414.36	-806.54
San Bernardino County, CA	PM ₁₀	Moderate	100	-	78.91	96.04	-186.78
San Diego, CA	CO	Maintenance	100	-	762.19	927.72	-1,804.21
San Diego, CA	Ozone	Former Subpart 1	50	-	763.60	929.44	-1,807.56
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1,136.18	1,373.74	-2,770.86
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1,292.35	1,563.83	-3,140.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	832.71	1,013.11	-1,975.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	836.21	1,017.36	-1,983.39
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	832.71	1,013.11	-1,975.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	6.17	7.50	-14.59
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.13	0.15	-0.30
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	122.63	149.26	-290.28
Seattle-Tacoma, WA	CO	Maintenance	100	-	547.94	666.93	-1,297.04
Sheboygan, WI	Ozone	Moderate	50	-	21.78	26.50	-51.54
Sheridan, WY	PM ₁₀	Moderate	100	-	4.00	4.87	-9.47
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Somerville, NJ	CO	Maintenance	100	-	3.19	3.89	-7.56
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	82.77	100.74	-196.04
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	31.98	38.92	-75.71
Spokane County, WA	PM ₁₀	Maintenance	100	-	54.44	66.26	-128.86
Spokane, WA	CO	Maintenance	100	-	53.88	65.58	-127.54
Springfield (western MA), MA	Ozone	Moderate	50	-	163.17	198.51	-387.12
Springfield, MA	CO	Maintenance	100	-	26.21	31.86	-62.35
St. Louis, MO	CO	Maintenance	100	-	167.89	204.35	-397.41
St. Louis, MO-IL	Ozone	Moderate	50	-	502.71	602.43	-1,273.78
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	499.15	598.09	-1,265.34

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	31.30	38.10	-74.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	3.38	4.12	-8.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	7.82	9.51	-18.50
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	15.50	18.37	-41.10
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	15.50	18.37	-41.10
Stockton, CA	CO	Maintenance	100	-	85.24	103.76	-201.78
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	94.05	114.48	-222.64
Telluride, CO	PM ₁₀	Maintenance	100	-	0.27	0.33	-0.63
Terre Haute, IN	Ozone	Maintenance	100	-	24.09	29.32	-57.03
Tioga County, PA	Ozone	Maintenance	100	-	10.32	12.57	-24.44
Toledo, OH	Ozone	Maintenance	100	-	42.18	37.31	-224.13
Toms River, NJ	CO	Maintenance	100	-	18.21	22.17	-43.11
Tooele County, UT	SO _x	Nonattainment	100	-	18.49	22.50	-43.77
Trenton, NJ	CO	Maintenance	100	-	16.20	19.72	-38.36
Trona, CA	PM ₁₀	Moderate	100	-	0.58	0.70	-1.37
Tucson, AZ	CO	Maintenance	100	-	182.21	221.78	-431.31
Utah County, UT	PM ₁₀	Moderate	100	-	88.89	108.19	-210.42
Vancouver, WA	CO	Maintenance	100	-	57.00	69.38	-134.94
Ventura County, CA	Ozone	Serious	50	-	153.25	186.30	-364.80
Vermillion County, IN	PM ₁₀	Maintenance	100	-	1.32	1.60	-3.12
Vigo County, IN	SO _x	Maintenance	100	-	24.09	29.32	-57.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	10.34	12.59	-24.49
Warren County, NJ	SO _x	Maintenance	100	-	6.57	8.00	-15.55
Warren County, PA	SO _x	Nonattainment	100	-	2.56	3.10	-6.18
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	38.95	47.41	-92.21
Washington, DC-MD-VA	CO	Maintenance	100	-	286.91	349.22	-679.16

Appendix B

Table B.1-222
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	989.62	1,204.54	-2,342.57
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	968.99	1,179.43	-2,293.74
Washoe County, NV	PM ₁₀	Serious	70	-	44.78	54.50	-105.99
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.75	0.91	-1.77
Wayne County, IN	SO _x	Maintenance	100	-	13.13	15.99	-31.09
Wayne County, MI	PM ₁₀	Maintenance	100	-	9.17	10.14	-30.80
Weirton, WV	PM ₁₀	Maintenance	100	-	1.77	2.15	-4.18
Weirton, WV	SO _x	Maintenance	100	-	2.32	2.82	-5.49
Wheeling, WV-OH	Ozone	Maintenance	100	-	27.35	33.29	-64.74
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	27.35	33.29	-64.74
Winston-Salem, NC	CO	Maintenance	100	-	75.29	91.64	-178.22
Worcester, MA	CO	Maintenance	100	-	39.90	48.57	-94.45
Yakima County, WA	PM ₁₀	Maintenance	100	-	17.05	20.75	-40.35
Yakima, WA	CO	Maintenance	100	-	7.01	8.53	-16.60
York, PA	Ozone	Maintenance	100	-	81.55	99.26	-193.04
York, PA	PM _{2.5}	Nonattainment	100	-	63.42	77.19	-150.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	116.93	142.33	-276.79
Yuma, AZ	PM ₁₀	Moderate	100	-	34.03	41.42	-80.56

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	1.33	1.51	-6.25
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	3.07	3.49	-14.43
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	3.19	3.62	-14.98
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	947.71	1,075.96	-4,449.06
Albuquerque, NM	CO	Maintenance	100	-	431.20	489.56	-2,023.87
Allegan County, MI	Ozone	Former Subpart 1	50	-	114.55	130.05	-537.65
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	436.93	496.03	-2,052.28
Altoona, PA	Ozone	Maintenance	100	-	69.61	79.03	-326.71
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	149.25	169.45	-700.53
Anchorage, AK	CO	Maintenance	100	-	111.93	127.08	-525.37
Anthony, NM	PM ₁₀	Moderate	100	-	5.39	6.12	-25.32
Armstrong County, PA	SO _x	Nonattainment	100	-	3.59	4.08	-16.87
Aspen, CO	PM ₁₀	Maintenance	100	-	5.44	6.18	-25.55
Atlanta, GA	Ozone	Moderate	50	-	5,181.53	5,882.77	-24,323.48
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5,183.75	5,885.28	-24,333.87
Atlantic City, NJ	CO	Maintenance	100	-	36.55	41.50	-171.56
Bakersfield, CA	CO	Maintenance	100	-	342.08	388.01	-1,618.30
Baltimore, MD	CO	Maintenance	100	-	7.06	8.00	-33.35
Baltimore, MD	Ozone	Moderate	50	-	2,266.44	2,573.01	-10,644.62
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2,266.40	2,572.97	-10,644.46
Baton Rouge, LA	Ozone	Moderate	50	-	60.05	29.66	-1,638.40
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-121.27	-170.73	-594.99
Benton County, TN	SO _x	Maintenance	100	-	0.80	0.91	-3.76
Benton Harbor, MI	Ozone	Maintenance	100	-	120.63	136.95	-566.36
Benzie County, MI	Ozone	Maintenance	100	-	19.00	21.57	-89.16
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	111.79	126.93	-524.72
Billings, MT	CO	Maintenance	100	-	-27.14	-37.44	-105.69
Birmingham, AL	Ozone	Maintenance	100	-	717.89	814.77	-3,379.29

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	720.36	817.58	-3,390.89
Boise-Northern Ada County, ID	CO	Maintenance	100	-	249.33	282.98	-1,173.45
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	249.33	282.98	-1,173.45
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	13.71	15.57	-64.35
Boston, MA	CO	Maintenance	100	-	617.77	701.38	-2,899.54
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3,777.30	4,288.57	-17,729.12
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	494.06	560.93	-2,318.91
Boyd County (part), KY	SO _x	Maintenance	100	-	6.68	7.58	-31.35
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	827.31	939.29	-3,883.05
Burlington, NJ	CO	Maintenance	100	-	4.98	5.65	-23.37
Butte, MT	PM ₁₀	Moderate	100	-	13.62	15.46	-63.91
Canon City, CO	PM ₁₀	Maintenance	100	-	15.72	17.85	-73.80
Canton-Massillon, OH	Ozone	Maintenance	100	-	185.51	208.95	-929.54
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	185.51	208.95	-929.54
Case County, MI	Ozone	Maintenance	100	-	31.12	35.33	-146.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.55	0.62	-2.57
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	4.08	4.63	-19.13
Charleston, WV	Ozone	Maintenance	100	-	187.15	212.48	-878.39
Charleston, WV	PM _{2.5}	Nonattainment	100	-	187.15	212.48	-878.39
Charlotte, NC	CO	Maintenance	100	-	574.13	651.84	-2,694.73
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1,267.46	1,439.02	-5,948.96
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	391.53	444.52	-1,837.78
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	359.79	408.48	-1,688.78
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	4,715.71	5,303.96	-23,896.02
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	4,896.13	5,508.79	-24,742.80
Chico, CA	CO	Maintenance	100	-	95.90	108.88	-450.13
Chico, CA	Ozone	Former Subpart 1	50	-	210.74	239.26	-989.13
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1,455.95	1,653.01	-6,833.61

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1,411.01	1,601.99	-6,622.70
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	8.95	10.16	-42.05
Clark County, NV	PM ₁₀	Serious	70	-	1,229.28	1,395.66	-5,769.73
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	199.40	226.38	-935.88
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	129.02	146.49	-605.58
Cleveland, OH	CO	Maintenance	100	-	623.98	708.44	-2,928.73
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1,834.61	2,082.93	-8,610.93
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1,684.36	1,912.34	-7,905.70
Coachella Valley, CA	PM ₁₀	Serious	70	-	546.22	620.15	-2,563.71
Colbert County, AL	SO _x	Maintenance	100	-	39.56	44.91	-185.66
Colorado Springs, CO	CO	Maintenance	100	-	464.51	527.08	-2,191.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	4.42	5.02	-20.76
Columbia, SC	Ozone	Former Subpart 1	50	-	480.10	545.08	-2,253.40
Columbus, OH	Ozone	Maintenance	100	-	1,309.76	1,487.04	-6,147.46
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1,217.65	1,382.47	-5,715.17
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	2.08	2.36	-9.85
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.26	0.29	-1.21
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	624.00	708.46	-2,928.79
Cuyahoga County, OH	SO _x	Maintenance	100	-	518.83	589.05	-2,435.17
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5,534.04	6,282.88	-25,981.94
Dayton-Springfield, OH	Ozone	Maintenance	100	-	584.49	663.60	-2,743.36
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	514.89	584.58	-2,416.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2,292.75	2,599.27	-10,895.24
Denver-Boulder, CO	CO	Maintenance	100	-	2,190.23	2,482.87	-10,414.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2,775.57	3,147.44	-13,161.67
Detroit, MI	CO	Maintenance	100	-	1,042.56	1,182.23	-4,944.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3,364.34	3,817.78	-15,858.73
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3,301.01	3,745.88	-15,561.47

Appendix B

**Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	28.27	32.09	-132.67
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	25.26	28.68	-118.57
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	20.37	23.13	-95.61
Duluth, MN	CO	Maintenance	100	-	56.09	63.68	-263.26
Eagle River, AK	PM ₁₀	Moderate	100	-	6.94	7.88	-32.58
East Chicago, IN	CO	Maintenance	100	-	0.71	0.81	-3.36
East Chicago, IN	PM ₁₀	Maintenance	100	-	-164.96	-212.74	-121.89
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.74	0.84	-3.46
El Paso County, TX	PM ₁₀	Moderate	100	-	343.46	387.95	-1,682.64
El Paso, TX	CO	Maintenance	100	-	22.78	25.86	-106.97
Erie, PA	Ozone	Maintenance	100	-	160.08	181.75	-751.34
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	1.24	1.41	-5.83
Eugene-Springfield, OR	CO	Maintenance	100	-	173.95	197.49	-816.44
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	166.69	189.25	-782.35
Evansville, IN	Ozone	Maintenance	100	-	183.22	208.01	-859.94
Evansville, IN	PM _{2.5}	Nonattainment	100	-	233.68	265.31	-1,096.81
Fairbanks, AK	CO	Maintenance	100	-	13.79	15.65	-64.70
Fayetteville, NC	Ozone	Former Subpart 1	50	-	216.57	245.89	-1,016.51
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	5.76	6.54	-27.02
Flint, MI	Ozone	Maintenance	100	-	370.19	420.30	-1,737.54
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.69	0.79	-3.25
Fort Collins, CO	CO	Maintenance	100	-	141.62	160.79	-664.73
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.46	0.52	-2.16
Fort Wayne, IN	Ozone	Maintenance	100	-	268.40	304.73	-1,259.75
Franklin County, PA	Ozone	Maintenance	100	-	114.46	129.95	-537.23
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.53	0.60	-2.49
Frederick County, VA	Ozone	Former Subpart 1	50	-	96.46	109.52	-452.76
Fredericksburg, VA	Ozone	Maintenance	100	-	336.48	382.02	-1,579.30

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Table B.1-223							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	14.49	16.45	-67.99
Fresno, CA	CO	Maintenance	100	-	463.67	526.39	-2,177.64
Grand Rapids, MI	Ozone	Maintenance	100	-	621.59	705.72	-2,917.49
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	27.44	31.16	-128.85
Grant County, NM	SO _x	Maintenance	100	-	1.76	2.00	-8.26
Grants Pass, OR	CO	Maintenance	100	-	0.36	0.41	-1.68
Grants Pass, OR	PM ₁₀	Maintenance	100	-	26.39	29.96	-123.84
Great Falls, MT	CO	Maintenance	100	-	12.68	14.40	-59.51
Greater Connecticut, CT	Ozone	Moderate	50	-	1,173.02	1,331.74	-5,507.53
Greeley, CO	CO	Maintenance	100	-	95.16	108.04	-446.64
Green Bay, WI	SO _x	Maintenance	100	-	91.77	104.19	-430.72
Greene County, IN	Ozone	Maintenance	100	-	35.57	40.39	-166.96
Greene County, PA	Ozone	Maintenance	100	-	32.05	36.39	-150.42
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1,174.32	1,333.19	-5,514.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	574.65	652.36	-2,699.56
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	633.80	719.51	-2,977.36
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	16.25	18.45	-76.27
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	85.04	96.55	-399.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	650.82	738.89	-3,055.47
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	600.10	681.30	-2,817.42
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	749.16	850.50	-3,518.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	8.04	9.12	-37.72
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	31.71	36.00	-148.84
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	3.62	4.11	-17.01
Hazelwood, PA	SO _x	Maintenance	100	-	28.92	32.83	-135.83
Hickory, NC	PM _{2.5}	Nonattainment	100	-	123.72	140.47	-580.70
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	207.84	235.97	-975.50
Hollis Township, IL	SO _x	Maintenance	100	-	1.63	1.85	-7.65

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Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	3,620.18	4,055.94	-18,901.88
Humphreys County, TN	SO _x	Maintenance	100	-	2.01	2.28	-9.42
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-95.19	-133.21	-438.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-195.50	-247.09	32.61
Huron County, MI	Ozone	Maintenance	100	-	19.89	22.59	-93.37
Imperial County, CA	Ozone	Moderate	50	-	178.01	202.10	-835.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	174.28	197.87	-817.98
Indian Wells, CA	PM ₁₀	Maintenance	100	-	23.61	26.81	-110.82
Indianapolis, IN	CO	Maintenance	100	-	0.62	0.71	-2.92
Indianapolis, IN	Ozone	Maintenance	100	-	1,519.16	1,724.78	-7,130.32
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1,206.84	1,370.19	-5,664.41
Jackson County, IN	Ozone	Maintenance	100	-	56.73	64.41	-266.27
Jamestown, NY	Ozone	Former Subpart 1	50	-	111.05	126.08	-521.22
Jefferson County, NY	Ozone	Moderate	50	-	89.44	101.55	-419.81
Jefferson County, OH	PM ₁₀	Maintenance	100	-	4.95	5.63	-23.25
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	152.82	173.50	-717.27
Johnstown, PA	Ozone	Maintenance	100	-	63.34	71.91	-297.28
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	69.71	79.14	-327.18
Juneau, AK	PM ₁₀	Moderate	100	-	9.10	10.33	-42.70
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	361.70	410.65	-1,697.65
Kalispell, MT	PM ₁₀	Moderate	100	-	23.40	26.56	-109.81
Kansas City, MO-KS	Ozone	Maintenance	100	-	1,264.76	1,435.73	-5,944.07
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	109.70	124.55	-514.90
Kent, WA	PM ₁₀	Maintenance	100	-	20.10	22.82	-94.36
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	60.01	68.13	-281.66
Kewaunee County, WI	Ozone	Maintenance	100	-	17.44	19.80	-81.86
King County, WA	PM ₁₀	Maintenance	100	-	7.95	9.03	-37.33
Klamath Falls, OR	CO	Maintenance	100	-	34.94	39.67	-164.00

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	34.94	39.67	-164.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	932.66	1,058.90	-4,377.55
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	711.30	807.57	-3,338.55
La Porte County, IN	SO _x	Maintenance	100	-	23.70	26.90	-111.22
LaGrande, OR	PM ₁₀	Maintenance	100	-	10.88	12.36	-51.08
Lake County, IN	SO _x	Maintenance	100	-	209.59	237.88	-986.19
Lake County, OH	SO _x	Maintenance	100	-	25.38	28.82	-119.14
Lake County, OR	PM ₁₀	Maintenance	100	-	4.20	4.77	-19.72
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	26.67	30.28	-125.19
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	58.47	66.39	-274.45
Lake Tahoe, NV	CO	Maintenance	100	-	14.74	16.74	-69.19
Lamar, CO	PM ₁₀	Maintenance	100	-	6.22	7.06	-29.20
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.94	1.06	-4.40
Lancaster, PA	Ozone	Maintenance	100	-	335.36	380.72	-1,575.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	335.36	380.72	-1,575.08
Lane County, OR	PM ₁₀	Moderate	100	-	0.93	1.06	-4.37
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	348.47	395.63	-1,635.56
LaPorte, IN	Ozone	Maintenance	100	-	66.04	74.97	-309.94
Las Vegas, NV	CO	Serious	100	-	1,229.28	1,395.66	-5,769.73
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1,244.45	1,412.89	-5,840.95
Lauderdale County, AL	SO _x	Maintenance	100	-	60.95	69.20	-286.09
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	1.23	1.40	-5.79
Libby, MT	PM ₁₀	Moderate	100	-	2.95	3.35	-13.83
Libby, MT	PM _{2.5}	Nonattainment	100	-	3.93	4.46	-18.45
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	8.95	10.16	-42.05
Lima, OH	Ozone	Maintenance	100	-	20.36	18.48	-258.72
Longmont, CO	CO	Maintenance	100	-	73.89	83.89	-346.79
Lorain County, OH	SO _x	Maintenance	100	-	33.62	38.17	-157.81

Appendix B

**Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11,321.97	12,814.72	-54,539.53
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	11,321.97	12,814.71	-54,539.52
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11,321.97	12,814.71	-54,539.52
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11,322.08	12,814.84	-54,540.03
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11,321.43	12,814.10	-54,536.97
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	539.88	612.95	-2,533.97
Louisville, KY-IN	Ozone	Maintenance	100	-	807.04	916.27	-3,787.89
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	773.79	878.53	-3,631.87
Lowell, MA	CO	Maintenance	100	-	86.72	98.45	-407.01
Lucas County, OH	SO _x	Maintenance	100	-	204.93	232.67	-961.88
Lyons Township, IL	PM ₁₀	Maintenance	100	-	42.80	48.59	-200.89
Macon, GA	Ozone	Maintenance	100	-	142.01	161.23	-666.53
Macon, GA	PM _{2.5}	Nonattainment	100	-	140.33	159.32	-658.65
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	1.95	2.21	-9.15
Madison, WI	SO _x	Maintenance	100	-	196.55	223.15	-922.51
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	8.93	10.14	-41.90
Manchester, NH	CO	Maintenance	100	-	52.41	59.51	-246.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	71.30	80.95	-334.65
Marion County, IN	SO _x	Maintenance	100	-	216.95	246.32	-1,018.29
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	96.07	109.07	-450.89
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	234.15	265.84	-1,098.98
Mason County, MI	Ozone	Maintenance	100	-	19.60	22.25	-91.99
Medford, OR	CO	Maintenance	100	-	63.63	72.24	-298.64
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	152.61	173.27	-716.31
Memphis, TN-AR	Ozone	Maintenance	100	-	666.54	754.57	-3,205.58
Memphis, TN	CO	Maintenance	100	-	613.71	694.59	-2,957.60
Miami (Gila County), AZ	SO _x	Maintenance	100	-	23.62	26.82	-110.86

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	3.48	3.95	-16.35
Milwaukee, WI	SO _x	Maintenance	100	-	369.24	419.22	-1,733.08
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1,318.61	1,497.09	-6,189.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1,500.61	1,647.70	-9,016.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2,116.14	2,402.35	-9,939.60
Missoula, MT	CO	Maintenance	100	-	45.00	50.99	-214.81
Missoula, MT	PM ₁₀	Moderate	100	-	43.56	49.36	-207.96
Modesto, CA	CO	Maintenance	100	-	257.54	292.40	-1,208.80
Mohave County, AZ	PM ₁₀	Maintenance	100	-	87.34	99.17	-409.96
Mono Basin, CA	PM ₁₀	Moderate	100	-	1.25	1.42	-5.86
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	2.33	2.65	-10.96
Morristown, NJ	CO	Maintenance	100	-	26.67	30.28	-125.17
Muhlenberg County, KY	SO _x	Maintenance	100	-	19.96	22.66	-93.66
Muncie, IN	Ozone	Maintenance	100	-	76.02	86.31	-356.79
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	3.54	4.02	-16.62
Muscatine County, IA	SO _x	Maintenance	100	-	11.25	12.78	-52.83
Muskegon, MI	Ozone	Maintenance	100	-	95.43	108.34	-448.07
Nashua, NH	CO	Maintenance	100	-	42.21	47.92	-198.12
Nashville, TN	Ozone	Former Subpart 1	50	-	1,253.17	1,422.72	-5,884.31
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	127.43	144.67	-598.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	110.21	125.12	-517.27
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	556.28	631.58	-2,610.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	4.06	4.61	-19.05
New York County, NY	PM ₁₀	Moderate	100	-	310.65	352.70	-1,458.08
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5,592.73	6,347.54	-26,326.68
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10,809.99	12,269.88	-50,852.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10,713.72	12,160.58	-50,401.03
Nogales, AZ	PM ₁₀	Moderate	100	-	30.95	35.14	-145.29

Appendix B

**Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-882.69	-1,168.74	-1,723.78
Ogden, UT	CO	Maintenance	100	-	49.91	56.66	-234.24
Ogden, UT	PM ₁₀	Moderate	100	-	49.91	56.66	-234.25
Oglesby, IL	PM ₁₀	Maintenance	100	-	1.50	1.71	-7.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	14.21	16.13	-66.70
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	85.33	96.88	-400.52
Owens Valley, CA	PM ₁₀	Serious	70	-	3.33	3.78	-15.62
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.14	0.16	-0.66
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	101.80	115.58	-477.80
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	102.52	116.39	-481.17
Payson, AZ	PM ₁₀	Maintenance	100	-	15.19	17.25	-71.30
Penns Grove, NJ	CO	Maintenance	100	-	0.34	0.39	-1.60
Peoria, IL	SO _x	Maintenance	100	-	69.24	78.60	-325.26
Perth Amboy, NJ	CO	Maintenance	100	-	52.03	58.01	-281.66
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	262.17	297.66	-1,230.53
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	2,812.63	3,162.12	-14,300.50
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4,338.38	4,894.35	-21,462.75
Phoenix, AZ	CO	Maintenance	100	-	4,162.16	4,725.46	-19,537.74
Phoenix, AZ	PM ₁₀	Serious	70	-	4,276.40	4,855.16	-20,073.93
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4,288.63	4,869.04	-20,131.33
Pierce County, WA	PM ₁₀	Maintenance	100	-	7.35	8.35	-34.50
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.78	0.88	-3.65
Pittsburgh, PA	CO	Maintenance	100	-	19.25	21.85	-90.42
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1,411.17	1,602.12	-6,625.41
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1,288.55	1,462.91	-6,049.87
Polk County, TN	SO _x	Maintenance	100	-	15.00	17.03	-70.40
Polson, MT	PM ₁₀	Moderate	100	-	2.40	2.72	-11.26
Portland, ME	Ozone	Maintenance	100	-	410.01	465.33	-1,930.65

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	838.36	951.67	-3,940.63
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	31.05	35.25	-145.73
Poughkeepsie, NY	Ozone	Moderate	50	-	1,091.65	1,239.41	-5,123.78
Presque Isle, ME	PM ₁₀	Maintenance	100	-	6.24	7.09	-29.29
Providence (entire State), RI	Ozone	Moderate	50	-	734.85	834.09	-3,456.90
Provo, UT	CO	Maintenance	100	-	130.50	148.17	-612.53
Raleigh-Durham, NC	CO	Maintenance	100	-	1,023.92	1,162.47	-4,807.27
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1,391.80	1,580.14	-6,533.94
Ramsey County, MN	PM ₁₀	Maintenance	100	-	1.28	1.45	-6.02
Reading, PA	Ozone	Maintenance	100	-	240.97	273.59	-1,131.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	240.97	273.59	-1,131.02
Reno, NV	CO	Maintenance	100	-	179.55	203.86	-842.75
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.85	0.96	-3.98
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	892.20	1,012.91	-4,189.58
Rillito, AZ	PM ₁₀	Moderate	100	-	40.43	45.90	-189.77
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	546.22	620.15	-2,563.71
Roanoke, VA	Ozone	Former Subpart 1	50	-	185.22	210.29	-869.33
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	60.69	68.91	-284.86
Rochester, NY	Ozone	Former Subpart 1	50	-	970.19	1,101.50	-4,553.66
Rocky Mount, NC	Ozone	Maintenance	100	-	130.58	148.26	-612.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	86.19	97.85	-404.53
Ronan, MT	PM ₁₀	Moderate	100	-	0.92	1.04	-4.30
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	1.76	2.00	-8.26
Sacramento County, CA	PM ₁₀	Moderate	100	-	1,247.79	1,416.68	-5,856.61
Sacramento Metro, CA	Ozone	Severe	25	-	2,285.33	2,594.37	-10,736.45
Sacramento, CA	CO	Maintenance	100	-	1,402.19	1,591.94	-6,582.49
Salem, OR	CO	Maintenance	100	-	93.73	106.42	-439.95
Salt Lake City, UT	CO	Maintenance	100	-	153.28	173.39	-741.83

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Table B.1-223							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	767.26	870.48	-3,623.62
Salt Lake County, UT	SO _x	Nonattainment	100	-	774.98	879.88	-3,637.46
San Antonio, TX	Ozone	Former Subpart 1	50	-	1,417.95	1,609.82	-6,657.52
San Bernardino County, CA	PM ₁₀	Moderate	100	-	335.18	380.54	-1,573.18
San Diego, CA	CO	Maintenance	100	-	3,391.75	3,850.83	-15,919.49
San Diego, CA	Ozone	Former Subpart 1	50	-	3,398.23	3,858.18	-15,949.89
San Francisco Bay Area, CA	Ozone	Marginal	50	-	4,911.75	5,567.76	-23,364.28
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5,550.95	6,293.47	-26,364.41
San Joaquin Valley, CA	Ozone	Extreme	10	-	3,753.53	4,261.15	-17,632.74
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3,765.00	4,274.17	-17,686.54
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3,753.53	4,261.15	-17,632.74
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	27.07	30.74	-127.07
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.50	0.56	-2.33
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	485.13	550.79	-2,276.98
Seattle-Tacoma, WA	CO	Maintenance	100	-	2,296.53	2,607.37	-10,778.97
Sheboygan, WI	Ozone	Moderate	50	-	89.25	101.32	-418.88
Sheridan, WY	PM ₁₀	Moderate	100	-	15.55	17.66	-73.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Somerville, NJ	CO	Maintenance	100	-	13.14	14.92	-61.69
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	327.76	372.11	-1,538.74
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	108.37	123.04	-508.67
Spokane County, WA	PM ₁₀	Maintenance	100	-	227.14	257.89	-1,066.11
Spokane, WA	CO	Maintenance	100	-	224.63	255.03	-1,054.32
Springfield (western MA), MA	Ozone	Moderate	50	-	646.14	733.50	-3,036.01
Springfield, MA	CO	Maintenance	100	-	107.47	121.98	-505.73
St. Louis, MO	CO	Maintenance	100	-	595.75	676.39	-2,796.23
St. Louis, MO-IL	Ozone	Moderate	50	-	1,966.69	2,223.81	-9,550.57
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1,952.97	2,208.23	-9,486.17

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	131.53	149.34	-617.36
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	15.85	18.00	-74.41
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	28.56	32.42	-134.04
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	58.22	65.63	-290.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	58.22	65.63	-290.13
Stockton, CA	CO	Maintenance	100	-	388.98	441.64	-1,825.74
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Syracuse, NY	CO	Maintenance	100	-	361.20	410.09	-1,695.32
Telluride, CO	PM ₁₀	Maintenance	100	-	1.40	1.59	-6.56
Terre Haute, IN	Ozone	Maintenance	100	-	87.34	99.17	-409.95
Tioga County, PA	Ozone	Maintenance	100	-	38.55	43.77	-180.94
Toledo, OH	Ozone	Maintenance	100	-	221.00	237.45	-1,511.56
Toms River, NJ	CO	Maintenance	100	-	79.87	90.68	-374.86
Tooele County, UT	SO _x	Nonattainment	100	-	76.07	86.36	-357.03
Trenton, NJ	CO	Maintenance	100	-	65.41	74.26	-307.00
Trona, CA	PM ₁₀	Moderate	100	-	2.62	2.97	-12.28
Tucson, AZ	CO	Maintenance	100	-	776.04	881.08	-3,642.42
Utah County, UT	PM ₁₀	Moderate	100	-	378.74	430.01	-1,777.67
Vancouver, WA	CO	Maintenance	100	-	252.14	286.27	-1,183.44
Ventura County, CA	Ozone	Serious	50	-	688.34	781.29	-3,238.60
Vermillion County, IN	PM ₁₀	Maintenance	100	-	4.86	5.52	-22.83
Vigo County, IN	SO _x	Maintenance	100	-	87.34	99.17	-409.95
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	40.68	46.18	-190.92
Warren County, NJ	SO _x	Maintenance	100	-	26.64	30.25	-125.03
Warren County, PA	SO _x	Nonattainment	100	-	9.43	10.69	-44.71
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	152.84	173.52	-717.35
Washington, DC-MD-VA	CO	Maintenance	100	-	1,166.56	1,324.46	-5,475.37

Appendix B

Table B.1-223
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4,175.22	4,740.35	-19,596.78
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4,082.78	4,635.40	-19,162.93
Washoe County, NV	PM ₁₀	Serious	70	-	179.55	203.86	-842.75
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	2.89	3.28	-13.57
Wayne County, IN	SO _x	Maintenance	100	-	47.04	53.41	-220.78
Wayne County, MI	PM ₁₀	Maintenance	100	-	49.43	55.12	-267.00
Weirton, WV	PM ₁₀	Maintenance	100	-	5.92	6.72	-27.78
Weirton, WV	SO _x	Maintenance	100	-	7.90	8.97	-37.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	98.38	111.70	-461.76
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	98.38	111.70	-461.76
Winston-Salem, NC	CO	Maintenance	100	-	303.69	344.80	-1,425.40
Worcester, MA	CO	Maintenance	100	-	170.19	193.23	-798.81
Yakima County, WA	PM ₁₀	Maintenance	100	-	69.50	78.91	-326.21
Yakima, WA	CO	Maintenance	100	-	31.32	35.56	-146.99
York, PA	Ozone	Maintenance	100	-	336.72	382.30	-1,580.45
York, PA	PM _{2.5}	Nonattainment	100	-	261.09	296.43	-1,225.44
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	430.91	489.24	-2,022.53
Yuma, AZ	PM ₁₀	Moderate	100	-	148.32	168.39	-696.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	3.33	3.59	-6.17
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	8.54	9.20	-15.80
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	8.86	9.54	-16.38
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2,622.89	2,823.78	-4,851.51
Albuquerque, NM	CO	Maintenance	100	-	1,179.45	1,269.78	-2,181.38
Allegan County, MI	Ozone	Former Subpart 1	50	-	332.49	357.96	-614.94
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1,203.95	1,296.18	-2,227.54
Altoona, PA	Ozone	Maintenance	100	-	178.58	192.26	-330.28
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	474.53	510.87	-877.64
Anchorage, AK	CO	Maintenance	100	-	319.55	344.02	-591.00
Anthony, NM	PM ₁₀	Moderate	100	-	14.50	15.61	-26.81
Armstrong County, PA	SO _x	Nonattainment	100	-	10.00	10.76	-18.49
Aspen, CO	PM ₁₀	Maintenance	100	-	15.61	16.80	-28.86
Atlanta, GA	Ozone	Moderate	50	-	14,848.16	15,985.39	-27,463.38
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	14,852.90	15,990.49	-27,472.15
Atlantic City, NJ	CO	Maintenance	100	-	97.03	104.46	-179.45
Bakersfield, CA	CO	Maintenance	100	-	991.72	1,067.87	-1,841.96
Baltimore, MD	CO	Maintenance	100	-	18.81	20.25	-34.94
Baltimore, MD	Ozone	Moderate	50	-	6,395.53	6,885.45	-11,832.53
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	6,395.43	6,885.34	-11,832.35
Baton Rouge, LA	Ozone	Moderate	50	-	542.18	604.27	-1,832.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-43.37	-29.04	-631.45
Benton County, TN	SO _x	Maintenance	100	-	2.00	2.16	-3.71
Benton Harbor, MI	Ozone	Maintenance	100	-	303.35	326.59	-561.15
Benzie County, MI	Ozone	Maintenance	100	-	57.34	61.73	-106.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	316.45	340.69	-585.27
Billings, MT	CO	Maintenance	100	-	-11.03	-8.34	-122.09
Birmingham, AL	Ozone	Maintenance	100	-	1,917.08	2,064.06	-3,551.62

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1,924.18	2,071.70	-3,564.74
Boise-Northern Ada County, ID	CO	Maintenance	100	-	713.03	767.69	-1,320.52
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	713.03	767.69	-1,320.52
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	41.75	44.95	-77.22
Boston, MA	CO	Maintenance	100	-	1,681.85	1,810.66	-3,110.56
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	10,431.79	11,230.73	-19,293.41
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1,392.69	1,499.36	-2,575.76
Boyd County (part), KY	SO _x	Maintenance	100	-	17.59	18.94	-32.53
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2,223.77	2,394.08	-4,112.82
Burlington, NJ	CO	Maintenance	100	-	9.25	9.96	-17.11
Butte, MT	PM ₁₀	Moderate	100	-	33.33	35.88	-61.64
Canon City, CO	PM ₁₀	Maintenance	100	-	47.82	51.49	-88.45
Canton-Massillon, OH	Ozone	Maintenance	100	-	500.94	540.19	-962.44
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	500.94	540.19	-962.44
Case County, MI	Ozone	Maintenance	100	-	83.21	89.59	-153.90
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	1.67	1.80	-3.10
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	9.74	10.48	-18.01
Charleston, WV	Ozone	Maintenance	100	-	475.60	512.03	-879.62
Charleston, WV	PM _{2.5}	Nonattainment	100	-	475.60	512.03	-879.62
Charlotte, NC	CO	Maintenance	100	-	1,654.75	1,781.48	-3,060.43
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3,616.12	3,893.06	-6,687.94
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1,052.42	1,133.03	-1,946.49
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	974.97	1,049.64	-1,803.23
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	13,746.99	14,826.55	-26,502.06
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	14,250.82	15,368.97	-27,433.88
Chico, CA	CO	Maintenance	100	-	306.47	329.95	-566.82
Chico, CA	Ozone	Former Subpart 1	50	-	642.04	691.22	-1,187.45
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	4,015.52	4,323.05	-7,426.63

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3,885.78	4,183.38	-7,186.68
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	20.46	22.03	-37.86
Clark County, NV	PM ₁₀	Serious	70	-	3,674.68	3,956.12	-6,796.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	568.13	611.64	-1,050.75
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	346.28	372.80	-640.44
Cleveland, OH	CO	Maintenance	100	-	1,562.64	1,682.32	-2,890.08
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4,904.03	5,279.62	-9,069.92
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	4,484.43	4,827.88	-8,293.87
Coachella Valley, CA	PM ₁₀	Serious	70	-	1,681.49	1,810.27	-3,109.88
Colbert County, AL	SO _x	Maintenance	100	-	98.47	106.01	-182.11
Colorado Springs, CO	CO	Maintenance	100	-	1,360.32	1,464.66	-2,522.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	13.10	14.10	-24.23
Columbia, SC	Ozone	Former Subpart 1	50	-	1,331.18	1,433.13	-2,462.00
Columbus, OH	Ozone	Maintenance	100	-	3,773.33	4,062.32	-6,978.70
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3,514.30	3,783.45	-6,499.63
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	4.46	4.81	-8.31
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.45	0.49	-0.84
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1,562.65	1,682.33	-2,890.09
Cuyahoga County, OH	SO _x	Maintenance	100	-	1,347.31	1,450.50	-2,491.83
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	16,177.22	17,416.29	-29,923.64
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1,535.20	1,652.77	-2,839.32
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1,348.09	1,451.34	-2,493.27
Denver Metro, CO	PM ₁₀	Maintenance	100	-	6,679.63	7,193.20	-12,434.29
Denver-Boulder, CO	CO	Maintenance	100	-	6,379.67	6,870.26	-11,879.51
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	8,081.27	8,702.19	-15,026.74
Detroit, MI	CO	Maintenance	100	-	2,399.42	2,584.02	-4,471.45
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	9,229.56	9,937.45	-17,111.41
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	9,055.26	9,749.80	-16,789.04

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	80.46	86.62	-148.80
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	66.55	71.65	-123.09
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	54.84	59.04	-101.42
Duluth, MN	CO	Maintenance	100	-	145.72	156.88	-269.50
Eagle River, AK	PM ₁₀	Moderate	100	-	20.56	22.14	-38.03
East Chicago, IN	CO	Maintenance	100	-	1.79	1.93	-3.32
East Chicago, IN	PM ₁₀	Maintenance	100	-	-223.91	-227.47	-133.66
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	2.03	2.19	-3.76
El Paso County, TX	PM ₁₀	Moderate	100	-	984.08	1,060.51	-1,863.11
El Paso, TX	CO	Maintenance	100	-	61.29	65.98	-113.38
Erie, PA	Ozone	Maintenance	100	-	422.41	454.76	-781.24
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	3.77	4.06	-6.97
Eugene-Springfield, OR	CO	Maintenance	100	-	490.99	528.60	-908.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	471.77	507.91	-872.54
Evansville, IN	Ozone	Maintenance	100	-	496.23	534.24	-917.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	626.34	674.31	-1,158.41
Fairbanks, AK	CO	Maintenance	100	-	40.05	43.12	-74.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	594.30	639.81	-1,099.14
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	16.98	18.28	-31.41
Flint, MI	Ozone	Maintenance	100	-	989.69	1,065.49	-1,830.42
Follansbee, WV	PM ₁₀	Maintenance	100	-	1.28	1.38	-2.37
Fort Collins, CO	CO	Maintenance	100	-	416.56	448.46	-770.42
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	1.09	1.18	-2.02
Fort Wayne, IN	Ozone	Maintenance	100	-	737.85	794.36	-1,364.64
Franklin County, PA	Ozone	Maintenance	100	-	320.63	345.19	-593.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	1.38	1.48	-2.55
Frederick County, VA	Ozone	Former Subpart 1	50	-	266.11	286.50	-492.17
Fredericksburg, VA	Ozone	Maintenance	100	-	999.15	1,075.67	-1,847.91

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	46.18	49.71	-85.40
Fresno, CA	CO	Maintenance	100	-	1,336.53	1,438.91	-2,472.63
Grand Rapids, MI	Ozone	Maintenance	100	-	1,766.52	1,901.81	-3,267.14
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	68.34	73.58	-126.42
Grant County, NM	SO _x	Maintenance	100	-	4.34	4.67	-8.02
Grants Pass, OR	CO	Maintenance	100	-	1.06	1.14	-1.96
Grants Pass, OR	PM ₁₀	Maintenance	100	-	78.57	84.59	-145.31
Great Falls, MT	CO	Maintenance	100	-	30.39	32.72	-56.21
Greater Connecticut, CT	Ozone	Moderate	50	-	3,141.00	3,381.59	-5,810.32
Greeley, CO	CO	Maintenance	100	-	272.33	293.18	-503.66
Green Bay, WI	SO _x	Maintenance	100	-	253.08	272.46	-468.06
Greene County, IN	Ozone	Maintenance	100	-	97.40	104.86	-180.14
Greene County, PA	Ozone	Maintenance	100	-	84.95	91.45	-157.11
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3,184.65	3,428.59	-5,891.30
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1,545.23	1,663.60	-2,859.22
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1,683.30	1,812.26	-3,114.69
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	44.01	47.38	-81.39
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	233.45	251.33	-431.76
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1,840.79	1,981.78	-3,404.98
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1,695.87	1,825.76	-3,136.94
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1,978.32	2,129.86	-3,659.97
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	23.70	25.52	-43.84
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	94.60	101.85	-174.96
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	10.06	10.83	-18.61
Hazelwood, PA	SO _x	Maintenance	100	-	80.71	86.89	-149.33
Hickory, NC	PM _{2.5}	Nonattainment	100	-	323.00	347.74	-597.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	553.17	595.53	-1,023.08
Hollis Township, IL	SO _x	Maintenance	100	-	4.14	4.46	-7.67

Appendix B

**Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	10,805.43	11,661.93	-21,151.18
Humphreys County, TN	SO _x	Maintenance	100	-	5.55	5.98	-10.27
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-49.75	-40.15	-448.97
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-321.06	-332.23	52.80
Huron County, MI	Ozone	Maintenance	100	-	52.29	56.29	-96.71
Imperial County, CA	Ozone	Moderate	50	-	529.09	569.61	-978.53
Imperial Valley, CA	PM ₁₀	Serious	70	-	518.45	558.16	-958.87
Indian Wells, CA	PM ₁₀	Maintenance	100	-	61.77	66.51	-114.25
Indianapolis, IN	CO	Maintenance	100	-	1.42	1.53	-2.63
Indianapolis, IN	Ozone	Maintenance	100	-	4,282.51	4,610.49	-7,920.42
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3,408.42	3,669.46	-6,303.81
Jackson County, IN	Ozone	Maintenance	100	-	152.35	164.02	-281.77
Jamestown, NY	Ozone	Former Subpart 1	50	-	298.02	320.85	-551.19
Jefferson County, NY	Ozone	Moderate	50	-	242.54	261.12	-448.58
Jefferson County, OH	PM ₁₀	Maintenance	100	-	11.57	12.45	-21.39
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	404.79	435.79	-748.65
Johnstown, PA	Ozone	Maintenance	100	-	148.11	159.45	-273.93
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	163.12	175.61	-301.68
Juneau, AK	PM ₁₀	Moderate	100	-	28.16	30.32	-52.08
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	972.33	1,046.80	-1,798.31
Kalispell, MT	PM ₁₀	Moderate	100	-	68.54	73.79	-126.77
Kansas City, MO-KS	Ozone	Maintenance	100	-	3,577.66	3,851.78	-6,621.41
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	311.47	335.32	-576.05
Kent, WA	PM ₁₀	Maintenance	100	-	59.81	64.39	-110.62
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	161.61	173.99	-298.90
Kewaunee County, WI	Ozone	Maintenance	100	-	46.34	49.89	-85.71
King County, WA	PM ₁₀	Maintenance	100	-	22.93	24.68	-42.40
Klamath Falls, OR	CO	Maintenance	100	-	92.81	99.92	-171.66

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	92.81	99.92	-171.66
Knoxville, TN	Ozone	Former Subpart 1	50	-	2,702.02	2,908.96	-4,997.33
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2,037.36	2,193.40	-3,768.06
La Porte County, IN	SO _x	Maintenance	100	-	60.85	65.51	-112.54
LaGrande, OR	PM ₁₀	Maintenance	100	-	29.69	31.96	-54.91
Lake County, IN	SO _x	Maintenance	100	-	543.93	585.63	-1,007.42
Lake County, OH	SO _x	Maintenance	100	-	67.84	73.04	-125.47
Lake County, OR	PM ₁₀	Maintenance	100	-	10.98	11.82	-20.31
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	85.62	92.18	-158.35
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	194.91	209.83	-360.47
Lake Tahoe, NV	CO	Maintenance	100	-	39.19	42.19	-72.48
Lamar, CO	PM ₁₀	Maintenance	100	-	16.72	18.00	-30.92
Lame Deer, MT	PM ₁₀	Moderate	100	-	2.27	2.45	-4.21
Lancaster, PA	Ozone	Maintenance	100	-	932.53	1,003.96	-1,725.30
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	932.53	1,003.96	-1,725.30
Lane County, OR	PM ₁₀	Moderate	100	-	2.18	2.35	-4.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	952.76	1,025.73	-1,762.12
LaPorte, IN	Ozone	Maintenance	100	-	168.75	181.68	-312.11
Las Vegas, NV	CO	Serious	100	-	3,674.68	3,956.12	-6,796.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3,712.76	3,997.11	-6,866.68
Lauderdale County, AL	SO _x	Maintenance	100	-	158.94	171.11	-293.95
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	3.30	3.55	-6.10
Libby, MT	PM ₁₀	Moderate	100	-	7.46	8.03	-13.79
Libby, MT	PM _{2.5}	Nonattainment	100	-	9.95	10.71	-18.40
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	20.46	22.02	-37.85
Lima, OH	Ozone	Maintenance	100	-	92.77	102.35	-271.32
Longmont, CO	CO	Maintenance	100	-	221.66	238.64	-409.96
Lorain County, OH	SO _x	Maintenance	100	-	92.40	99.47	-170.88

Appendix B

**Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	32,862.37	35,400.42	-61,633.43
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	32,862.37	35,400.41	-61,633.42
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	32,862.37	35,400.41	-61,633.42
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	32,862.57	35,400.63	-61,633.80
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	32,860.90	35,398.82	-61,630.70
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1,559.93	1,679.40	-2,885.07
Louisville, KY-IN	Ozone	Maintenance	100	-	2,165.06	2,330.87	-4,004.23
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2,058.56	2,216.22	-3,807.26
Lowell, MA	CO	Maintenance	100	-	250.52	269.71	-463.34
Lucas County, OH	SO _x	Maintenance	100	-	527.98	568.42	-976.50
Lyons Township, IL	PM ₁₀	Maintenance	100	-	110.43	118.89	-204.25
Macon, GA	Ozone	Maintenance	100	-	362.00	389.73	-669.52
Macon, GA	PM _{2.5}	Nonattainment	100	-	357.27	384.63	-660.76
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	4.93	5.31	-9.12
Madison, WI	SO _x	Maintenance	100	-	580.96	625.45	-1,074.47
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	30.38	32.70	-56.18
Manchester, NH	CO	Maintenance	100	-	129.18	139.07	-238.91
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	188.50	202.94	-348.63
Marion County, IN	SO _x	Maintenance	100	-	565.09	608.37	-1,045.12
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	295.44	318.07	-546.41
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	642.82	692.05	-1,188.88
Mason County, MI	Ozone	Maintenance	100	-	54.39	58.55	-100.58
Medford, OR	CO	Maintenance	100	-	190.54	205.13	-352.40
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	459.72	494.93	-850.24
Memphis, TN-AR	Ozone	Maintenance	100	-	1,757.44	1,893.20	-3,297.48
Memphis, TN	CO	Maintenance	100	-	1,626.54	1,752.28	-3,055.39
Miami (Gila County), AZ	SO _x	Maintenance	100	-	69.76	75.10	-129.02

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	8.51	9.17	-15.76
Milwaukee, WI	SO _x	Maintenance	100	-	977.77	1,052.66	-1,808.37
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3,647.50	3,926.85	-6,745.98
Minneapolis-St Paul, MN	CO	Maintenance	100	-	4,810.66	5,209.00	-10,103.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	5,956.05	6,412.31	-11,019.99
Missoula, MT	CO	Maintenance	100	-	127.16	136.95	-237.24
Missoula, MT	PM ₁₀	Moderate	100	-	123.01	132.48	-229.50
Modesto, CA	CO	Maintenance	100	-	772.19	831.33	-1,428.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	267.25	287.71	-494.27
Mono Basin, CA	PM ₁₀	Moderate	100	-	3.81	4.10	-7.05
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	6.13	6.60	-11.33
Morristown, NJ	CO	Maintenance	100	-	81.88	88.15	-151.44
Muhlenberg County, KY	SO _x	Maintenance	100	-	51.59	55.54	-95.42
Muncie, IN	Ozone	Maintenance	100	-	187.45	201.81	-346.69
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	11.77	12.67	-21.76
Muscatine County, IA	SO _x	Maintenance	100	-	31.65	34.08	-58.54
Muskegon, MI	Ozone	Maintenance	100	-	263.14	283.29	-486.76
Nashua, NH	CO	Maintenance	100	-	105.49	113.57	-195.11
Nashville, TN	Ozone	Former Subpart 1	50	-	3,563.80	3,836.78	-6,592.61
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	406.50	437.63	-751.81
New Haven County, CT	PM ₁₀	Maintenance	100	-	330.05	355.32	-610.42
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1,476.13	1,589.18	-2,730.08
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	10.91	11.75	-20.18
New York County, NY	PM ₁₀	Moderate	100	-	795.01	855.89	-1,470.35
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	15,088.65	16,245.41	-27,953.03
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	29,575.40	31,842.24	-54,769.54
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	29,301.75	31,547.63	-54,263.42
Nogales, AZ	PM ₁₀	Moderate	100	-	87.22	93.90	-161.32

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-857.86	-834.62	-1,999.67
Ogden, UT	CO	Maintenance	100	-	133.05	143.24	-246.07
Ogden, UT	PM ₁₀	Moderate	100	-	133.05	143.24	-246.08
Oglesby, IL	PM ₁₀	Maintenance	100	-	3.39	3.65	-6.27
Olmsted County, MN	PM ₁₀	Maintenance	100	-	35.15	37.84	-65.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	249.49	268.59	-461.42
Owens Valley, CA	PM ₁₀	Serious	70	-	11.83	12.74	-21.89
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.45	0.48	-0.83
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	268.48	289.04	-496.55
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	270.56	291.28	-500.40
Payson, AZ	PM ₁₀	Maintenance	100	-	43.53	46.86	-80.50
Penns Grove, NJ	CO	Maintenance	100	-	0.92	0.99	-1.70
Peoria, IL	SO _x	Maintenance	100	-	180.86	194.71	-334.66
Perth Amboy, NJ	CO	Maintenance	100	-	177.24	191.38	-350.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	662.16	712.88	-1,224.66
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	7,866.99	8,486.16	-15,221.62
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	12,052.37	12,992.10	-22,962.96
Phoenix, AZ	CO	Maintenance	100	-	13,108.80	14,112.79	-24,245.71
Phoenix, AZ	PM ₁₀	Serious	70	-	13,442.16	14,471.69	-24,862.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	13,474.89	14,506.93	-24,922.81
Pierce County, WA	PM ₁₀	Maintenance	100	-	18.20	19.59	-33.66
Pinehurst, ID	PM ₁₀	Moderate	100	-	1.70	1.83	-3.14
Pittsburgh, PA	CO	Maintenance	100	-	64.59	69.54	-119.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	3,736.11	4,022.28	-6,911.08
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	3,411.08	3,672.35	-6,309.92
Polk County, TN	SO _x	Maintenance	100	-	40.21	43.29	-74.38
Polson, MT	PM ₁₀	Moderate	100	-	7.35	7.91	-13.60
Portland, ME	Ozone	Maintenance	100	-	1,125.59	1,211.89	-2,085.41

Appendix B

Table B.1-224							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	2,278.28	2,452.85	-4,217.13
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	82.20	88.49	-152.02
Poughkeepsie, NY	Ozone	Moderate	50	-	3,209.02	3,454.80	-5,935.03
Presque Isle, ME	PM ₁₀	Maintenance	100	-	15.90	17.12	-29.41
Providence (entire State), RI	Ozone	Moderate	50	-	2,055.43	2,212.97	-3,806.26
Provo, UT	CO	Maintenance	100	-	383.46	412.83	-709.21
Raleigh-Durham, NC	CO	Maintenance	100	-	2,969.67	3,197.12	-5,493.10
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	4,026.26	4,334.64	-7,447.26
Ramsey County, MN	PM ₁₀	Maintenance	100	-	3.15	3.39	-5.84
Reading, PA	Ozone	Maintenance	100	-	653.24	703.27	-1,208.15
Reading, PA	PM _{2.5}	Nonattainment	100	-	653.24	703.27	-1,208.15
Reno, NV	CO	Maintenance	100	-	493.04	530.80	-911.88
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	2.95	3.17	-5.45
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2,436.38	2,623.01	-4,507.15
Rillito, AZ	PM ₁₀	Moderate	100	-	122.67	132.06	-226.88
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1,681.49	1,810.27	-3,109.88
Roanoke, VA	Ozone	Former Subpart 1	50	-	491.42	529.06	-908.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	170.15	183.19	-314.70
Rochester, NY	Ozone	Former Subpart 1	50	-	2,635.18	2,837.00	-4,873.71
Rocky Mount, NC	Ozone	Maintenance	100	-	344.91	371.33	-637.91
Rome, GA	PM _{2.5}	Nonattainment	100	-	232.01	249.78	-429.10
Ronan, MT	PM ₁₀	Moderate	100	-	2.76	2.97	-5.10
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	4.57	4.92	-8.45
Sacramento County, CA	PM ₁₀	Moderate	100	-	3,782.33	4,072.01	-6,995.35
Sacramento Metro, CA	Ozone	Severe	25	-	7,011.89	7,549.06	-12,974.07
Sacramento, CA	CO	Maintenance	100	-	4,256.24	4,582.23	-7,872.50
Salem, OR	CO	Maintenance	100	-	250.99	270.21	-464.20
Salt Lake City, UT	CO	Maintenance	100	-	439.40	473.39	-826.36

Appendix B

Table B.1-224							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Carbon Monoxide (CO) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	2,158.21	2,323.84	-4,005.27
Salt Lake County, UT	SO _x	Nonattainment	100	-	2,173.31	2,339.76	-4,019.50
San Antonio, TX	Ozone	Former Subpart 1	50	-	4,023.36	4,331.53	-7,442.40
San Bernardino County, CA	PM ₁₀	Moderate	100	-	947.93	1,020.52	-1,753.17
San Diego, CA	CO	Maintenance	100	-	10,124.10	10,899.47	-18,724.33
San Diego, CA	Ozone	Former Subpart 1	50	-	10,144.06	10,920.96	-18,761.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	14,335.87	15,438.52	-26,703.73
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	16,105.05	17,343.20	-29,975.80
San Joaquin Valley, CA	Ozone	Extreme	10	-	11,308.58	12,174.90	-20,924.16
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	11,333.29	12,201.50	-20,969.87
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	11,308.58	12,174.90	-20,924.16
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	79.77	85.88	-147.53
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	1.33	1.44	-2.47
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1,317.73	1,418.66	-2,437.13
Seattle-Tacoma, WA	CO	Maintenance	100	-	6,544.56	7,045.79	-12,104.05
Sheboygan, WI	Ozone	Moderate	50	-	249.89	269.03	-462.17
Sheridan, WY	PM ₁₀	Moderate	100	-	41.55	44.74	-76.85
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.02	0.03	-0.05
Somerville, NJ	CO	Maintenance	100	-	36.89	39.71	-68.22
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	890.99	959.23	-1,648.09
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	238.04	256.27	-440.26
Spokane County, WA	PM ₁₀	Maintenance	100	-	644.54	693.90	-1,192.06
Spokane, WA	CO	Maintenance	100	-	636.91	685.69	-1,177.96
Springfield (western MA), MA	Ozone	Moderate	50	-	1,756.30	1,890.86	-3,250.26
Springfield, MA	CO	Maintenance	100	-	308.21	331.83	-570.90
St. Louis, MO	CO	Maintenance	100	-	1,456.35	1,567.89	-2,693.50
St. Louis, MO-IL	Ozone	Moderate	50	-	5,262.87	5,670.78	-9,928.99
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	5,226.53	5,631.66	-9,861.78

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	375.93	404.72	-695.27
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	49.29	53.06	-91.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	71.76	77.25	-132.71
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	149.32	161.01	-286.46
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	149.32	161.01	-286.46
Stockton, CA	CO	Maintenance	100	-	1,199.65	1,291.53	-2,218.74
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Syracuse, NY	CO	Maintenance	100	-	954.77	1,027.89	-1,765.82
Telluride, CO	PM ₁₀	Maintenance	100	-	4.73	5.10	-8.75
Terre Haute, IN	Ozone	Maintenance	100	-	217.96	234.65	-403.11
Tioga County, PA	Ozone	Maintenance	100	-	99.16	106.76	-183.40
Toledo, OH	Ozone	Maintenance	100	-	693.17	753.45	-1,571.91
Toms River, NJ	CO	Maintenance	100	-	239.71	258.07	-443.34
Tooele County, UT	SO _x	Nonattainment	100	-	213.70	230.07	-395.24
Trenton, NJ	CO	Maintenance	100	-	182.61	196.59	-337.73
Trona, CA	PM ₁₀	Moderate	100	-	7.93	8.53	-14.66
Tucson, AZ	CO	Maintenance	100	-	2,241.73	2,413.42	-4,146.04
Utah County, UT	PM ₁₀	Moderate	100	-	1,094.36	1,178.17	-2,024.00
Vancouver, WA	CO	Maintenance	100	-	746.41	803.57	-1,380.46
Ventura County, CA	Ozone	Serious	50	-	2,067.91	2,226.40	-3,829.32
Vermillion County, IN	PM ₁₀	Maintenance	100	-	12.31	13.25	-22.76
Vigo County, IN	SO _x	Maintenance	100	-	217.96	234.65	-403.11
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Waltham, MA	CO	Maintenance	100	-	110.30	118.75	-204.00
Warren County, NJ	SO _x	Maintenance	100	-	73.89	79.55	-136.65
Warren County, PA	SO _x	Nonattainment	100	-	23.37	25.16	-43.52
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	412.09	443.65	-762.15
Washington, DC-MD-VA	CO	Maintenance	100	-	3,341.59	3,597.51	-6,180.20

Appendix B

Table B.1-224
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Carbon Monoxide (CO) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	11,974.30	12,891.38	-22,146.24
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	11,696.88	12,592.71	-21,633.17
Washoe County, NV	PM ₁₀	Serious	70	-	493.04	530.80	-911.88
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	7.62	8.20	-14.09
Wayne County, IN	SO _x	Maintenance	100	-	116.53	125.45	-215.51
Wayne County, MI	PM ₁₀	Maintenance	100	-	222.68	240.30	-434.75
Weirton, WV	PM ₁₀	Maintenance	100	-	12.09	13.02	-22.36
Weirton, WV	SO _x	Maintenance	100	-	17.06	18.37	-31.56
Wheeling, WV-OH	Ozone	Maintenance	100	-	243.48	262.13	-450.31
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	243.48	262.13	-450.31
Winston-Salem, NC	CO	Maintenance	100	-	839.05	903.31	-1,551.81
Worcester, MA	CO	Maintenance	100	-	499.28	537.52	-923.41
Yakima County, WA	PM ₁₀	Maintenance	100	-	192.65	207.40	-356.30
Yakima, WA	CO	Maintenance	100	-	95.08	102.36	-175.84
York, PA	Ozone	Maintenance	100	-	948.78	1,021.45	-1,754.76
York, PA	PM _{2.5}	Nonattainment	100	-	733.90	790.11	-1,357.33
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1,093.81	1,177.58	-2,022.98
Yuma, AZ	PM ₁₀	Moderate	100	-	435.97	469.36	-806.33

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.08
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.08
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	3.74	7.04	23.50
Albuquerque, NM	CO	Maintenance	100	-	1.83	3.40	11.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.44	0.82	2.67
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.68	3.19	10.80
Altoona, PA	Ozone	Maintenance	100	-	0.32	0.60	1.96
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.48	0.88	2.88
Anchorage, AK	CO	Maintenance	100	-	0.43	0.79	2.59
Anthony, NM	PM ₁₀	Moderate	100	-	0.02	0.04	0.14
Armstrong County, PA	SO _x	Nonattainment	100	-	0.02	0.03	0.09
Aspen, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.13
Atlanta, GA	Ozone	Moderate	50	-	20.15	37.47	122.97
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	20.16	37.49	123.04
Atlantic City, NJ	CO	Maintenance	100	-	0.16	0.30	0.98
Bakersfield, CA	CO	Maintenance	100	-	-5.06	-6.10	-4.80
Baltimore, MD	CO	Maintenance	100	-	0.02	0.04	0.16
Baltimore, MD	Ozone	Moderate	50	-	8.62	16.25	54.39
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	8.62	16.25	54.39
Baton Rouge, LA	Ozone	Moderate	50	-	-186.86	-249.35	-367.44
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-527.41	-706.37	-1,057.27
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.56	1.05	3.45
Benzie County, MI	Ozone	Maintenance	100	-	0.07	0.13	0.41
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.45	0.83	2.72
Billings, MT	CO	Maintenance	100	-	-62.67	-83.90	-125.33
Birmingham, AL	Ozone	Maintenance	100	-	-2.81	-2.14	7.18
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.80	-2.12	7.24

Appendix B

Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.74	1.50	5.50
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.74	1.50	5.50
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.05	0.09	0.30
Boston, MA	CO	Maintenance	100	-	2.66	4.93	16.11
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	15.82	29.30	95.67
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	2.00	3.70	12.07
Boyd County (part), KY	SO _x	Maintenance	100	-	0.03	0.06	0.19
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	3.61	6.69	21.84
Burlington, NJ	CO	Maintenance	100	-	0.03	0.05	0.16
Butte, MT	PM ₁₀	Moderate	100	-	0.07	0.12	0.41
Canon City, CO	PM ₁₀	Maintenance	100	-	0.06	0.11	0.36
Canton-Massillon, OH	Ozone	Maintenance	100	-	-20.45	-26.93	-37.44
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-20.45	-26.93	-37.44
Case County, MI	Ozone	Maintenance	100	-	0.14	0.25	0.83
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.02	0.04	0.12
Charleston, WV	Ozone	Maintenance	100	-	0.88	1.63	5.34
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.88	1.63	5.34
Charlotte, NC	CO	Maintenance	100	-	2.24	4.15	13.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	5.04	9.33	30.44
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.68	3.12	10.27
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	1.52	2.83	9.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-326.65	-426.76	-570.27
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-325.91	-425.39	-565.78
Chico, CA	CO	Maintenance	100	-	0.32	0.59	1.91
Chico, CA	Ozone	Former Subpart 1	50	-	0.74	1.37	4.47
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	6.12	11.32	36.96
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	5.94	11.00	35.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.04	0.08	0.26

Appendix B

Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	4.49	8.31	27.13
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.79	1.47	4.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.56	1.05	3.41
Cleveland, OH	CO	Maintenance	100	-	3.00	5.55	18.12
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	8.08	14.96	48.82
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	7.46	13.81	45.09
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.88	3.48	11.36
Colbert County, AL	SO _x	Maintenance	100	-	0.19	0.35	1.16
Colorado Springs, CO	CO	Maintenance	100	-	1.23	2.56	9.69
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	2.02	3.74	12.21
Columbus, OH	Ozone	Maintenance	100	-	5.12	9.48	30.93
Columbus, OH	PM _{2.5}	Nonattainment	100	-	4.74	8.78	28.66
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.00	0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	3.00	5.55	18.12
Cuyahoga County, OH	SO _x	Maintenance	100	-	2.44	4.52	14.77
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	20.32	38.01	125.87
Dayton-Springfield, OH	Ozone	Maintenance	100	-	2.64	4.89	15.95
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	2.33	4.32	14.11
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-29.81	-35.32	-23.50
Denver-Boulder, CO	CO	Maintenance	100	-	-30.20	-36.05	-25.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-27.96	-31.90	-12.29
Detroit, MI	CO	Maintenance	100	-	-35.98	-45.65	-52.05
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-37.27	-42.60	-17.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-37.53	-43.09	-18.68
Door County, WI	Ozone	Former Subpart 1	50	-	0.11	0.21	0.68
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.11	0.20	0.67
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.09	0.16	0.53

Appendix B

Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	0.26	0.48	1.56
Eagle River, AK	PM ₁₀	Moderate	100	-	0.03	0.05	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.01	0.02
East Chicago, IN	PM ₁₀	Maintenance	100	-	-231.80	-310.40	-464.29
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.01	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-22.55	-29.47	-39.41
El Paso, TX	CO	Maintenance	100	-	0.09	0.17	0.57
Erie, PA	Ozone	Maintenance	100	-	0.72	1.33	4.34
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.71	1.31	4.29
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.68	1.25	4.09
Evansville, IN	Ozone	Maintenance	100	-	0.79	1.47	4.78
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.02	1.89	6.16
Fairbanks, AK	CO	Maintenance	100	-	0.05	0.10	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.92	1.70	5.54
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.13
Flint, MI	Ozone	Maintenance	100	-	1.63	3.02	9.85
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Fort Collins, CO	CO	Maintenance	100	-	0.53	0.98	3.21
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	1.13	2.10	6.85
Franklin County, PA	Ozone	Maintenance	100	-	0.47	0.87	2.83
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.41	0.75	2.45
Fredericksburg, VA	Ozone	Maintenance	100	-	1.24	2.30	7.52
Freehold, NJ	CO	Maintenance	100	-	0.05	0.10	0.31
Fresno, CA	CO	Maintenance	100	-	1.63	3.10	10.48
Grand Rapids, MI	Ozone	Maintenance	100	-	2.49	4.60	15.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.13	0.24	0.78

Appendix B

Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.02	0.05
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.10	0.18	0.60
Great Falls, MT	CO	Maintenance	100	-	0.06	0.12	0.38
Greater Connecticut, CT	Ozone	Moderate	50	-	5.00	9.34	30.85
Greeley, CO	CO	Maintenance	100	-	0.38	0.70	2.28
Green Bay, WI	SO _x	Maintenance	100	-	0.38	0.70	2.29
Greene County, IN	Ozone	Maintenance	100	-	0.15	0.28	0.91
Greene County, PA	Ozone	Maintenance	100	-	0.14	0.26	0.86
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	4.87	9.11	30.22
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	2.31	4.38	14.79
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	2.61	4.94	16.62
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.07	0.13	0.43
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.36	0.66	2.15
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	2.53	4.73	15.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	2.33	4.36	14.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	3.20	6.00	19.94
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.03	0.06	0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.12	0.22	0.71
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.02	0.03	0.09
Hazelwood, PA	SO _x	Maintenance	100	-	0.11	0.21	0.73
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.56	1.04	3.40
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.92	1.71	5.57
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-588.41	-779.95	-1,115.55
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.05
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-126.83	-169.53	-251.60
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-127.26	-170.33	-254.22

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**Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	0.09	0.17	0.54
Imperial County, CA	Ozone	Moderate	50	-	0.66	1.22	3.97
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.64	1.19	3.88
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.11	0.19	0.64
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.01	0.02
Indianapolis, IN	Ozone	Maintenance	100	-	6.16	11.41	37.23
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	4.88	9.03	29.49
Jackson County, IN	Ozone	Maintenance	100	-	0.25	0.46	1.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.49	0.90	2.94
Jefferson County, NY	Ozone	Moderate	50	-	0.39	0.71	2.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.03	0.05	0.15
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.68	1.26	4.12
Johnstown, PA	Ozone	Maintenance	100	-	0.33	0.61	1.99
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.67	2.18
Juneau, AK	PM ₁₀	Moderate	100	-	0.03	0.06	0.19
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	1.58	2.92	9.55
Kalispell, MT	PM ₁₀	Moderate	100	-	0.09	0.16	0.54
Kansas City, MO-KS	Ozone	Maintenance	100	-	4.45	8.58	29.58
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.44	0.81	2.66
Kent, WA	PM ₁₀	Maintenance	100	-	0.08	0.14	0.46
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.26	0.48	1.56
Kewaunee County, WI	Ozone	Maintenance	100	-	0.08	0.14	0.47
King County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.19
Klamath Falls, OR	CO	Maintenance	100	-	0.16	0.29	0.94
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.16	0.29	0.94
Knoxville, TN	Ozone	Former Subpart 1	50	-	3.61	6.68	21.81
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	2.81	5.20	16.97
La Porte County, IN	SO _x	Maintenance	100	-	0.11	0.20	0.67
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.05	0.09	0.28

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**Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	0.85	1.63	5.59
Lake County, OH	SO _x	Maintenance	100	-	0.11	0.21	0.68
Lake County, OR	PM ₁₀	Maintenance	100	-	0.02	0.04	0.12
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.08	0.16	0.51
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.18	0.33	1.08
Lake Tahoe, NV	CO	Maintenance	100	-	0.06	0.12	0.38
Lamar, CO	PM ₁₀	Maintenance	100	-	0.03	0.05	0.17
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Lancaster, PA	Ozone	Maintenance	100	-	1.30	2.46	8.24
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	1.30	2.46	8.24
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	1.48	2.75	8.97
LaPorte, IN	Ozone	Maintenance	100	-	0.31	0.57	1.87
Las Vegas, NV	CO	Serious	100	-	4.49	8.31	27.13
Las Vegas, NV	Ozone	Former Subpart 1	50	-	4.56	8.44	27.56
Lauderdale County, AL	SO _x	Maintenance	100	-	0.28	0.51	1.68
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.03	0.08
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.11
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.26
Lima, OH	Ozone	Maintenance	100	-	-110.54	-148.01	-221.27
Longmont, CO	CO	Maintenance	100	-	0.27	0.51	1.66
Lorain County, OH	SO _x	Maintenance	100	-	0.14	0.26	0.86
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-106.55	-119.01	-26.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-106.55	-119.01	-26.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-106.55	-119.01	-26.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-106.55	-119.01	-26.85
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-106.55	-119.02	-26.87
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	2.10	3.89	12.70

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Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	3.54	6.55	21.36
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	3.43	6.35	20.73
Lowell, MA	CO	Maintenance	100	-	0.35	0.65	2.11
Lucas County, OH	SO _x	Maintenance	100	-	0.95	1.76	5.73
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.19	0.36	1.19
Macon, GA	Ozone	Maintenance	100	-	0.67	1.24	4.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.66	1.22	3.99
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Madison, WI	SO _x	Maintenance	100	-	0.74	1.37	4.46
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.03	0.05	0.16
Manchester, NH	CO	Maintenance	100	-	0.24	0.45	1.48
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.32	0.59	1.93
Marion County, IN	SO _x	Maintenance	100	-	0.99	1.83	5.98
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.33	0.61	2.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.99	1.83	5.99
Mason County, MI	Ozone	Maintenance	100	-	0.08	0.15	0.49
Medford, OR	CO	Maintenance	100	-	0.23	0.43	1.41
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.56	1.03	3.36
Memphis, TN-AR	Ozone	Maintenance	100	-	-27.04	-34.63	-41.74
Memphis, TN	CO	Maintenance	100	-	-27.29	-35.11	-43.30
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.09	0.16	0.54
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.03	0.10
Milwaukee, WI	SO _x	Maintenance	100	-	1.67	3.09	10.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	5.51	10.21	33.32
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-95.64	-123.68	-156.93
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	8.00	15.14	50.85
Missoula, MT	CO	Maintenance	100	-	-0.10	-0.04	0.56

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**Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	-0.10	-0.04	0.54
Modesto, CA	CO	Maintenance	100	-	0.91	1.69	5.53
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.31	0.57	1.85
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.06
Morristown, NJ	CO	Maintenance	100	-	0.10	0.18	0.59
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.09	0.17	0.56
Muncie, IN	Ozone	Maintenance	100	-	0.37	0.69	2.25
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Muscatine County, IA	SO _x	Maintenance	100	-	0.05	0.09	0.28
Muskegon, MI	Ozone	Maintenance	100	-	0.39	0.73	2.40
Nashua, NH	CO	Maintenance	100	-	0.19	0.36	1.18
Nashville, TN	Ozone	Former Subpart 1	50	-	4.81	9.01	29.88
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.40	0.75	2.44
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.42	0.78	2.55
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	2.47	4.57	14.93
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.02	0.04	0.12
New York County, NY	PM ₁₀	Moderate	100	-	1.45	2.69	8.78
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-36.04	-35.80	26.04
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-40.67	-30.89	104.33
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-41.05	-31.60	102.01
Nogales, AZ	PM ₁₀	Moderate	100	-	0.13	0.23	0.76
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-63.91	-83.17	-108.96
Ogden, UT	CO	Maintenance	100	-	0.22	0.41	1.33
Ogden, UT	PM ₁₀	Moderate	100	-	0.22	0.41	1.33
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.07	0.12	0.40
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.32	0.60	1.96

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Table B.1-225							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.07
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.46	0.85	2.76
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.46	0.85	2.78
Payson, AZ	PM ₁₀	Maintenance	100	-	0.06	0.11	0.36
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	0.17	0.38	1.61
Perth Amboy, NJ	CO	Maintenance	100	-	-25.75	-34.39	-50.91
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.25	2.31	7.53
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-209.62	-273.91	-366.33
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-203.48	-262.38	-327.91
Phoenix, AZ	CO	Maintenance	100	-	13.33	24.83	81.69
Phoenix, AZ	PM ₁₀	Serious	70	-	13.76	25.62	84.30
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	13.81	25.71	84.60
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.03	0.06	0.20
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Pittsburgh, PA	CO	Maintenance	100	-	0.06	0.12	0.41
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	5.95	11.19	37.38
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	5.41	10.19	34.10
Polk County, TN	SO _x	Maintenance	100	-	0.07	0.12	0.40
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
Portland, ME	Ozone	Maintenance	100	-	1.22	2.52	9.47
Portland, OR	CO	Maintenance	100	-	3.22	6.17	21.06
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.14	0.25	0.83
Poughkeepsie, NY	Ozone	Moderate	50	-	4.11	7.62	24.86
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.03	0.05	0.18
Providence (entire State), RI	Ozone	Moderate	50	-	2.38	4.74	17.02
Provo, UT	CO	Maintenance	100	-	0.49	0.91	2.96
Raleigh-Durham, NC	CO	Maintenance	100	-	3.84	7.17	23.68

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Table B.1-225							
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Nitrogen Oxide (NO_x) 2021							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	5.28	9.84	32.41
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Reading, PA	Ozone	Maintenance	100	-	1.04	1.92	6.28
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.04	1.92	6.28
Reno, NV	CO	Maintenance	100	-	0.76	1.40	4.58
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.01	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	3.41	6.52	22.22
Rillito, AZ	PM ₁₀	Moderate	100	-	0.14	0.27	0.88
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.88	3.48	11.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.82	1.53	4.98
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.25	0.46	1.49
Rochester, NY	Ozone	Former Subpart 1	50	-	4.17	7.73	25.22
Rocky Mount, NC	Ozone	Maintenance	100	-	0.58	1.08	3.53
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.38	0.70	2.27
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Sacramento County, CA	PM ₁₀	Moderate	100	-	4.43	8.20	26.77
Sacramento Metro, CA	Ozone	Severe	25	-	7.51	14.10	46.92
Sacramento, CA	CO	Maintenance	100	-	4.88	9.05	29.65
Salem, OR	CO	Maintenance	100	-	0.41	0.76	2.48
Salt Lake City, UT	CO	Maintenance	100	-	-11.79	-15.48	-21.12
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-9.28	-10.81	-5.91
Salt Lake County, UT	SO _x	Nonattainment	100	-	3.17	5.87	19.16
San Antonio, TX	Ozone	Former Subpart 1	50	-	4.90	9.48	32.82
San Bernardino County, CA	PM ₁₀	Moderate	100	-	1.30	2.41	7.87
San Diego, CA	CO	Maintenance	100	-	12.26	22.78	74.70
San Diego, CA	Ozone	Former Subpart 1	50	-	12.28	22.82	74.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-299.05	-390.95	-524.05

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**Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-296.43	-386.09	-508.20
San Joaquin Valley, CA	Ozone	Extreme	10	-	6.86	16.12	68.32
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	6.93	16.23	68.70
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	6.86	16.12	68.32
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.10	0.19	0.61
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	2.09	3.86	12.61
Seattle-Tacoma, WA	CO	Maintenance	100	-	9.13	16.91	55.18
Sheboygan, WI	Ozone	Moderate	50	-	0.37	0.68	2.21
Sheridan, WY	PM ₁₀	Moderate	100	-	0.07	0.13	0.41
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.05	0.10	0.32
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	1.21	2.34	8.11
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.56	1.04	3.42
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.91	1.68	5.49
Spokane, WA	CO	Maintenance	100	-	0.90	1.67	5.43
Springfield (western MA), MA	Ozone	Moderate	50	-	2.52	4.79	16.28
Springfield, MA	CO	Maintenance	100	-	0.35	0.69	2.49
St. Louis, MO	CO	Maintenance	100	-	2.96	5.48	17.88
St. Louis, MO-IL	Ozone	Moderate	50	-	-170.11	-223.27	-305.08
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-170.17	-223.39	-305.45
State College, PA	Ozone	Maintenance	100	-	0.52	0.97	3.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.05	0.10	0.33
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.14	0.25	0.82
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-6.22	-8.18	-11.29
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-6.22	-8.18	-11.29
Stockton, CA	CO	Maintenance	100	-	1.38	2.55	8.33
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	1.62	2.99	9.77

Appendix B

Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.42	0.78	2.55
Tioga County, PA	Ozone	Maintenance	100	-	0.18	0.33	1.08
Toledo, OH	Ozone	Maintenance	100	-	-105.25	-140.21	-205.03
Toms River, NJ	CO	Maintenance	100	-	0.30	0.55	1.81
Tooele County, UT	SO _x	Nonattainment	100	-	0.31	0.57	1.87
Trenton, NJ	CO	Maintenance	100	-	0.27	0.51	1.66
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Tucson, AZ	CO	Maintenance	100	-	3.02	5.59	18.24
Utah County, UT	PM ₁₀	Moderate	100	-	1.47	2.73	8.90
Vancouver, WA	CO	Maintenance	100	-	0.93	1.72	5.62
Ventura County, CA	Ozone	Serious	50	-	2.20	4.23	14.53
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.02	0.04	0.14
Vigo County, IN	SO _x	Maintenance	100	-	0.42	0.78	2.55
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.18	0.33	1.07
Warren County, NJ	SO _x	Maintenance	100	-	0.11	0.21	0.67
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.01	0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.66	1.23	4.02
Washington, DC-MD-VA	CO	Maintenance	100	-	4.85	8.98	29.32
Washington, DC-MD-VA	Ozone	Moderate	50	-	16.45	30.47	99.43
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	16.12	29.85	97.41
Washoe County, NV	PM ₁₀	Serious	70	-	0.76	1.40	4.58
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.02	0.08
Wayne County, IN	SO _x	Maintenance	100	-	0.23	0.43	1.40
Wayne County, MI	PM ₁₀	Maintenance	100	-	-26.79	-35.80	-53.06
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	0.06	0.19
Weirton, WV	SO _x	Maintenance	100	-	0.04	0.08	0.25
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.48	0.89	2.90

Appendix B

**Table B.1-225
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.48	0.89	2.90
Winston-Salem, NC	CO	Maintenance	100	-	1.27	2.36	7.69
Worcester, MA	CO	Maintenance	100	-	0.66	1.23	4.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.29	0.53	1.73
Yakima, WA	CO	Maintenance	100	-	0.11	0.21	0.69
York, PA	Ozone	Maintenance	100	-	1.37	2.53	8.26
York, PA	PM _{2.5}	Nonattainment	100	-	1.06	1.97	6.43
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	2.04	3.77	12.30
Yuma, AZ	PM ₁₀	Moderate	100	-	0.56	1.03	3.38

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.03	0.10
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.03	0.06	0.21
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.03	0.06	0.22
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	8.28	17.16	63.74
Albuquerque, NM	CO	Maintenance	100	-	4.02	8.21	29.68
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.99	2.03	7.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	3.72	7.78	29.39
Altoona, PA	Ozone	Maintenance	100	-	0.69	1.42	5.13
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.13	2.32	8.37
Anchorage, AK	CO	Maintenance	100	-	0.97	1.98	7.16
Anthony, NM	PM ₁₀	Moderate	100	-	0.05	0.10	0.38
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.07	0.25
Aspen, CO	PM ₁₀	Maintenance	100	-	0.05	0.10	0.35
Atlanta, GA	Ozone	Moderate	50	-	45.11	92.51	336.52
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	45.14	92.56	336.70
Atlantic City, NJ	CO	Maintenance	100	-	0.35	0.72	2.59
Bakersfield, CA	CO	Maintenance	100	-	-9.87	-13.06	3.73
Baltimore, MD	CO	Maintenance	100	-	0.03	0.09	0.46
Baltimore, MD	Ozone	Moderate	50	-	19.25	39.97	148.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	19.25	39.97	148.92
Baton Rouge, LA	Ozone	Moderate	50	-	-375.41	-557.39	-510.82
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1,060.59	-1,580.81	-1,508.84
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.06
Benton Harbor, MI	Ozone	Maintenance	100	-	1.19	2.46	9.02
Benzie County, MI	Ozone	Maintenance	100	-	0.16	0.32	1.15
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	1.00	2.05	7.39
Billings, MT	CO	Maintenance	100	-	-126.02	-187.73	-178.24
Birmingham, AL	Ozone	Maintenance	100	-	-5.15	-3.87	33.70
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-5.13	-3.82	33.87

Appendix B

Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.71	3.78	15.65
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.71	3.78	15.65
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.11	0.23	0.84
Boston, MA	CO	Maintenance	100	-	5.81	11.88	42.93
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	34.80	71.12	257.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	4.44	9.07	32.75
Boyd County (part), KY	SO _x	Maintenance	100	-	0.07	0.14	0.49
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	7.86	16.07	58.06
Burlington, NJ	CO	Maintenance	100	-	0.06	0.11	0.41
Butte, MT	PM ₁₀	Moderate	100	-	0.14	0.29	1.05
Canon City, CO	PM ₁₀	Maintenance	100	-	0.13	0.27	0.98
Canton-Massillon, OH	Ozone	Maintenance	100	-	-40.99	-60.04	-47.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-40.99	-60.04	-47.01
Case County, MI	Ozone	Maintenance	100	-	0.30	0.61	2.20
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.04	0.09	0.32
Charleston, WV	Ozone	Maintenance	100	-	1.89	3.85	13.92
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.89	3.85	13.92
Charlotte, NC	CO	Maintenance	100	-	5.03	10.27	37.10
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	11.24	22.96	82.95
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	3.66	7.51	27.39
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	3.32	6.83	24.93
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-652.58	-947.02	-651.93
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-650.94	-943.66	-639.82
Chico, CA	CO	Maintenance	100	-	0.74	1.52	5.48
Chico, CA	Ozone	Former Subpart 1	50	-	1.71	3.49	12.62
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	13.44	27.47	99.25
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	13.05	26.67	96.35
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.08	0.18	0.68

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Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	10.25	20.95	75.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.77	3.62	13.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	1.23	2.51	9.07
Cleveland, OH	CO	Maintenance	100	-	6.38	13.03	47.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	17.55	35.86	129.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	16.18	33.06	119.44
Coachella Valley, CA	PM ₁₀	Serious	70	-	4.37	8.93	32.24
Colbert County, AL	SO _x	Maintenance	100	-	0.41	0.83	3.00
Colorado Springs, CO	CO	Maintenance	100	-	2.91	6.57	28.16
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.04	0.08	0.28
Columbia, SC	Ozone	Former Subpart 1	50	-	4.44	9.07	32.76
Columbus, OH	Ozone	Maintenance	100	-	11.47	23.44	84.67
Columbus, OH	PM _{2.5}	Nonattainment	100	-	10.64	21.74	78.54
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.00	0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	6.38	13.03	47.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	5.21	10.65	38.49
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	46.05	94.95	349.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	5.70	11.64	42.04
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	5.03	10.29	37.16
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-57.83	-75.04	37.92
Denver-Boulder, CO	CO	Maintenance	100	-	-58.71	-76.85	31.38
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-53.67	-66.53	68.78
Detroit, MI	CO	Maintenance	100	-	-71.39	-100.52	-38.24
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-72.36	-90.55	83.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-72.94	-91.75	79.17
Door County, WI	Ozone	Former Subpart 1	50	-	0.25	0.51	1.86
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.24	0.49	1.78
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.19	0.39	1.41

Appendix B

**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	0.55	1.13	4.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.06	0.12	0.43
East Chicago, IN	CO	Maintenance	100	-	0.01	0.01	0.05
East Chicago, IN	PM ₁₀	Maintenance	100	-	-466.12	-694.64	-661.90
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	0.05
El Paso County, TX	PM ₁₀	Moderate	100	-	-45.04	-65.37	-45.07
El Paso, TX	CO	Maintenance	100	-	0.20	0.41	1.55
Erie, PA	Ozone	Maintenance	100	-	1.55	3.17	11.46
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	1.57	3.21	11.59
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.50	3.07	11.08
Evansville, IN	Ozone	Maintenance	100	-	1.73	3.53	12.75
Evansville, IN	PM _{2.5}	Nonattainment	100	-	2.22	4.54	16.40
Fairbanks, AK	CO	Maintenance	100	-	0.12	0.24	0.87
Fayetteville, NC	Ozone	Former Subpart 1	50	-	2.01	4.11	14.85
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.10	0.36
Flint, MI	Ozone	Maintenance	100	-	3.54	7.23	26.13
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
Fort Collins, CO	CO	Maintenance	100	-	1.21	2.46	8.90
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Fort Wayne, IN	Ozone	Maintenance	100	-	2.49	5.08	18.36
Franklin County, PA	Ozone	Maintenance	100	-	1.04	2.12	7.66
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.89	1.82	6.57
Fredericksburg, VA	Ozone	Maintenance	100	-	2.83	5.79	20.90
Freehold, NJ	CO	Maintenance	100	-	0.12	0.24	0.87
Fresno, CA	CO	Maintenance	100	-	3.72	7.77	29.28
Grand Rapids, MI	Ozone	Maintenance	100	-	5.54	11.32	40.88
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.27	0.56	2.04

Appendix B

Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.02	0.04	0.13
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.22	0.46	1.66
Great Falls, MT	CO	Maintenance	100	-	0.13	0.27	0.98
Greater Connecticut, CT	Ozone	Moderate	50	-	10.90	22.44	82.28
Greeley, CO	CO	Maintenance	100	-	0.84	1.72	6.21
Green Bay, WI	SO _x	Maintenance	100	-	0.84	1.71	6.19
Greene County, IN	Ozone	Maintenance	100	-	0.33	0.68	2.45
Greene County, PA	Ozone	Maintenance	100	-	0.31	0.63	2.28
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	10.66	22.00	81.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	5.06	10.57	39.80
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	5.68	11.85	44.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.15	0.31	1.13
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.78	1.60	5.79
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	5.64	11.63	42.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	5.19	10.71	39.48
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	6.94	14.36	53.09
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.07	0.14	0.50
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.27	0.55	1.97
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.03	0.07	0.25
Hazelwood, PA	SO _x	Maintenance	100	-	0.24	0.51	1.97
Hickory, NC	PM _{2.5}	Nonattainment	100	-	1.21	2.48	8.96
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	2.00	4.08	14.75
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.02	0.11
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,179.85	-1,739.05	-1,468.25
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.04	0.14
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-254.95	-379.23	-354.32
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-255.90	-381.17	-361.30

Appendix B

**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	0.19	0.40	1.43
Imperial County, CA	Ozone	Moderate	50	-	1.50	3.06	11.04
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.46	2.99	10.80
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.23	0.47	1.69
Indianapolis, IN	CO	Maintenance	100	-	0.01	0.01	0.05
Indianapolis, IN	Ozone	Maintenance	100	-	13.67	27.93	100.90
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	10.83	22.14	79.98
Jackson County, IN	Ozone	Maintenance	100	-	0.54	1.10	3.99
Jamestown, NY	Ozone	Former Subpart 1	50	-	1.06	2.16	7.81
Jefferson County, NY	Ozone	Moderate	50	-	0.84	1.72	6.22
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.05	0.11	0.39
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.48	3.02	10.90
Johnstown, PA	Ozone	Maintenance	100	-	0.69	1.41	5.08
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.75	1.54	5.57
Juneau, AK	PM ₁₀	Moderate	100	-	0.07	0.15	0.54
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	3.44	7.03	25.38
Kalispell, MT	PM ₁₀	Moderate	100	-	0.20	0.41	1.48
Kansas City, MO-KS	Ozone	Maintenance	100	-	10.02	21.22	81.97
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.98	2.00	7.22
Kent, WA	PM ₁₀	Maintenance	100	-	0.17	0.35	1.26
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.56	1.15	4.16
Kewaunee County, WI	Ozone	Maintenance	100	-	0.17	0.34	1.24
King County, WA	PM ₁₀	Maintenance	100	-	0.07	0.14	0.52
Klamath Falls, OR	CO	Maintenance	100	-	0.34	0.69	2.49
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.34	0.69	2.49
Knoxville, TN	Ozone	Former Subpart 1	50	-	8.11	16.57	59.86
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	6.27	12.82	46.32
La Porte County, IN	SO _x	Maintenance	100	-	0.24	0.48	1.74
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.10	0.21	0.75

Appendix B

**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	1.85	3.90	14.98
Lake County, OH	SO _x	Maintenance	100	-	0.24	0.50	1.79
Lake County, OR	PM ₁₀	Maintenance	100	-	0.04	0.08	0.31
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.20	0.41	1.48
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.43	0.88	3.17
Lake Tahoe, NV	CO	Maintenance	100	-	0.14	0.28	1.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.06	0.12	0.44
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Lancaster, PA	Ozone	Maintenance	100	-	2.89	6.01	22.42
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.89	6.01	22.42
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	3.25	6.64	23.99
LaPorte, IN	Ozone	Maintenance	100	-	0.66	1.35	4.88
Las Vegas, NV	CO	Serious	100	-	10.25	20.95	75.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	10.40	21.26	76.81
Lauderdale County, AL	SO _x	Maintenance	100	-	0.60	1.22	4.42
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.02	0.09
Libby, MT	PM ₁₀	Moderate	100	-	0.03	0.06	0.22
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.29
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.18	0.68
Lima, OH	Ozone	Maintenance	100	-	-222.28	-331.21	-315.19
Longmont, CO	CO	Maintenance	100	-	0.62	1.27	4.60
Lorain County, OH	SO _x	Maintenance	100	-	0.31	0.64	2.31
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-203.89	-246.74	325.89
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-203.89	-246.74	325.89
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-203.89	-246.74	325.89
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-203.89	-246.73	325.90
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-203.89	-246.75	325.86
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	4.72	9.64	34.82

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Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	7.69	15.71	56.76
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	7.44	15.20	54.90
Lowell, MA	CO	Maintenance	100	-	0.77	1.58	5.71
Lucas County, OH	SO _x	Maintenance	100	-	2.03	4.16	15.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.42	0.86	3.12
Macon, GA	Ozone	Maintenance	100	-	1.43	2.91	10.53
Macon, GA	PM _{2.5}	Nonattainment	100	-	1.41	2.88	10.42
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.02	0.04	0.14
Madison, WI	SO _x	Maintenance	100	-	1.67	3.42	12.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.06	0.13	0.48
Manchester, NH	CO	Maintenance	100	-	0.53	1.08	3.89
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.69	1.41	5.09
Marion County, IN	SO _x	Maintenance	100	-	2.13	4.35	15.73
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.77	1.57	5.68
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	2.17	4.44	16.05
Mason County, MI	Ozone	Maintenance	100	-	0.18	0.37	1.33
Medford, OR	CO	Maintenance	100	-	0.53	1.09	3.93
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.27	2.59	9.37
Memphis, TN-AR	Ozone	Maintenance	100	-	-53.93	-76.71	-37.14
Memphis, TN	CO	Maintenance	100	-	-54.48	-77.82	-41.16
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.20	0.41	1.48
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.03	0.06	0.26
Milwaukee, WI	SO _x	Maintenance	100	-	3.60	7.35	26.56
Milwaukee-Racine, WI	Ozone	Moderate	50	-	12.14	24.80	89.58
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-190.54	-273.43	-157.13
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	17.87	37.20	139.28
Missoula, MT	CO	Maintenance	100	-	-0.16	-0.01	2.26

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**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	-0.15	-0.01	2.19
Modesto, CA	CO	Maintenance	100	-	2.11	4.31	15.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.71	1.45	5.23
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.05	0.17
Morristown, NJ	CO	Maintenance	100	-	0.22	0.45	1.64
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.20	0.40	1.46
Muncie, IN	Ozone	Maintenance	100	-	0.79	1.61	5.82
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.03	0.06	0.22
Muscatine County, IA	SO _x	Maintenance	100	-	0.10	0.21	0.76
Muskegon, MI	Ozone	Maintenance	100	-	0.86	1.76	6.47
Nashua, NH	CO	Maintenance	100	-	0.42	0.86	3.10
Nashville, TN	Ozone	Former Subpart 1	50	-	10.75	22.20	81.83
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.96	1.97	7.10
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.95	1.94	7.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	5.35	10.94	39.53
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.04	0.08	0.30
New York County, NY	PM ₁₀	Moderate	100	-	3.11	6.35	22.94
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-68.42	-72.67	218.52
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-73.52	-53.85	496.10
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-74.38	-55.60	489.77
Nogales, AZ	PM ₁₀	Moderate	100	-	0.28	0.57	2.06
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-127.69	-184.60	-119.90
Ogden, UT	CO	Maintenance	100	-	0.48	0.98	3.53
Ogden, UT	PM ₁₀	Moderate	100	-	0.48	0.98	3.53
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.12
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.14	0.29	1.06
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.73	1.50	5.40

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Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.03	0.05	0.20
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.99	2.02	7.29
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.99	2.03	7.34
Payson, AZ	PM ₁₀	Maintenance	100	-	0.13	0.27	0.98
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Peoria, IL	SO _x	Maintenance	100	-	0.38	0.94	4.59
Perth Amboy, NJ	CO	Maintenance	100	-	-51.72	-76.87	-71.19
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	2.66	5.43	19.61
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-419.28	-608.85	-423.17
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-405.76	-580.86	-319.42
Phoenix, AZ	CO	Maintenance	100	-	31.56	64.81	236.39
Phoenix, AZ	PM ₁₀	Serious	70	-	32.54	66.80	243.60
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	32.65	67.03	244.43
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.07	0.15	0.54
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.07
Pittsburgh, PA	CO	Maintenance	100	-	0.14	0.30	1.14
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	12.92	26.81	99.69
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	11.76	24.42	91.00
Polk County, TN	SO _x	Maintenance	100	-	0.14	0.29	1.06
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.04	0.15
Portland, ME	Ozone	Maintenance	100	-	2.77	6.24	26.71
Portland, OR	CO	Maintenance	100	-	7.11	14.96	57.17
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.30	0.61	2.21
Poughkeepsie, NY	Ozone	Moderate	50	-	9.31	19.03	68.74
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.06	0.13	0.46
Providence (entire State), RI	Ozone	Moderate	50	-	5.39	11.73	47.62
Provo, UT	CO	Maintenance	100	-	1.11	2.27	8.20
Raleigh-Durham, NC	CO	Maintenance	100	-	8.66	17.83	65.33

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**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	11.89	24.43	89.20
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.09
Reading, PA	Ozone	Maintenance	100	-	2.27	4.64	16.75
Reading, PA	PM _{2.5}	Nonattainment	100	-	2.27	4.64	16.75
Reno, NV	CO	Maintenance	100	-	1.66	3.40	12.29
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	0.05
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	7.53	15.84	60.42
Rillito, AZ	PM ₁₀	Moderate	100	-	0.33	0.68	2.45
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	4.37	8.93	32.24
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.79	3.65	13.18
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.55	1.12	4.04
Rochester, NY	Ozone	Former Subpart 1	50	-	9.12	18.63	67.30
Rocky Mount, NC	Ozone	Maintenance	100	-	1.27	2.59	9.34
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.82	1.67	6.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.02	0.04	0.13
Sacramento County, CA	PM ₁₀	Moderate	100	-	10.20	20.84	75.30
Sacramento Metro, CA	Ozone	Severe	25	-	17.56	36.31	134.27
Sacramento, CA	CO	Maintenance	100	-	11.29	23.12	83.88
Salem, OR	CO	Maintenance	100	-	0.89	1.82	6.59
Salt Lake City, UT	CO	Maintenance	100	-	-23.58	-34.39	-25.30
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.01	-23.00	15.81
Salt Lake County, UT	SO _x	Nonattainment	100	-	7.02	14.34	51.80
San Antonio, TX	Ozone	Former Subpart 1	50	-	11.08	23.52	91.23
San Bernardino County, CA	PM ₁₀	Moderate	100	-	2.93	5.99	21.65
San Diego, CA	CO	Maintenance	100	-	28.03	57.44	208.72
San Diego, CA	Ozone	Former Subpart 1	50	-	28.08	57.55	209.10
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-596.91	-866.45	-598.75

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Table B.1-226							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-591.10	-854.58	-555.90
San Joaquin Valley, CA	Ozone	Extreme	10	-	17.63	43.41	209.75
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	17.76	43.67	210.71
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	17.63	43.41	209.75
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.23	0.47	1.69
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	4.56	9.32	33.65
Seattle-Tacoma, WA	CO	Maintenance	100	-	20.37	41.62	150.36
Sheboygan, WI	Ozone	Moderate	50	-	0.81	1.65	5.98
Sheridan, WY	PM ₁₀	Moderate	100	-	0.15	0.30	1.10
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.12	0.24	0.88
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.68	5.70	22.15
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	1.18	2.41	8.76
Spokane County, WA	PM ₁₀	Maintenance	100	-	2.02	4.14	14.94
Spokane, WA	CO	Maintenance	100	-	2.00	4.09	14.78
Springfield (western MA), MA	Ozone	Moderate	50	-	5.54	11.62	44.11
Springfield, MA	CO	Maintenance	100	-	0.78	1.70	6.94
St. Louis, MO	CO	Maintenance	100	-	6.24	12.75	46.07
St. Louis, MO-IL	Ozone	Moderate	50	-	-340.74	-497.24	-370.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-340.88	-497.51	-371.14
State College, PA	Ozone	Maintenance	100	-	1.16	2.38	8.59
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.13	0.26	0.93
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.29	0.59	2.14
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-12.47	-18.25	-14.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-12.47	-18.25	-14.05
Stockton, CA	CO	Maintenance	100	-	3.17	6.48	23.39
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	3.50	7.14	25.81

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Nitrogen Oxide (NO_x) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.07
Terre Haute, IN	Ozone	Maintenance	100	-	0.90	1.83	6.61
Tioga County, PA	Ozone	Maintenance	100	-	0.38	0.78	2.83
Toledo, OH	Ozone	Maintenance	100	-	-211.43	-313.37	-281.79
Toms River, NJ	CO	Maintenance	100	-	0.68	1.38	5.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.69	1.40	5.07
Trenton, NJ	CO	Maintenance	100	-	0.60	1.23	4.45
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.16
Tucson, AZ	CO	Maintenance	100	-	6.77	13.84	50.00
Utah County, UT	PM ₁₀	Moderate	100	-	3.30	6.75	24.39
Vancouver, WA	CO	Maintenance	100	-	2.12	4.33	15.64
Ventura County, CA	Ozone	Serious	50	-	5.13	10.81	41.44
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.05	0.10	0.36
Vigo County, IN	SO _x	Maintenance	100	-	0.90	1.83	6.61
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.38	0.79	2.84
Warren County, NJ	SO _x	Maintenance	100	-	0.24	0.50	1.80
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	-0.00	0.52
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.45	2.96	10.69
Washington, DC-MD-VA	CO	Maintenance	100	-	10.67	21.79	78.73
Washington, DC-MD-VA	Ozone	Moderate	50	-	36.79	75.17	271.56
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	36.02	73.61	265.90
Washoe County, NV	PM ₁₀	Serious	70	-	1.66	3.40	12.29
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.03	0.06	0.21
Wayne County, IN	SO _x	Maintenance	100	-	0.49	1.00	3.60
Wayne County, MI	PM ₁₀	Maintenance	100	-	-53.93	-80.19	-74.58
Weirton, WV	PM ₁₀	Maintenance	100	-	0.07	0.13	0.48
Weirton, WV	SO _x	Maintenance	100	-	0.09	0.18	0.64
Wheeling, WV-OH	Ozone	Maintenance	100	-	1.02	2.08	7.50

Appendix B

**Table B.1-226
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	1.02	2.08	7.50
Winston-Salem, NC	CO	Maintenance	100	-	2.80	5.72	20.66
Worcester, MA	CO	Maintenance	100	-	1.48	3.03	10.95
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.63	1.30	4.68
Yakima, WA	CO	Maintenance	100	-	0.26	0.53	1.92
York, PA	Ozone	Maintenance	100	-	3.03	6.19	22.38
York, PA	PM _{2.5}	Nonattainment	100	-	2.36	4.82	17.40
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	4.35	8.88	32.09
Yuma, AZ	PM ₁₀	Moderate	100	-	1.27	2.59	9.34

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.05	0.09	0.23
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.12	0.20	0.52
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.12	0.21	0.54
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	35.47	59.67	159.74
Albuquerque, NM	CO	Maintenance	100	-	16.71	27.94	73.09
Allegan County, MI	Ozone	Former Subpart 1	50	-	4.44	7.42	19.42
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	16.00	27.02	73.44
Altoona, PA	Ozone	Maintenance	100	-	2.69	4.50	11.79
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	5.78	9.67	25.30
Anchorage, AK	CO	Maintenance	100	-	4.34	7.25	18.97
Anthony, NM	PM ₁₀	Moderate	100	-	0.21	0.35	0.91
Armstrong County, PA	SO _x	Nonattainment	100	-	0.14	0.23	0.61
Aspen, CO	PM ₁₀	Maintenance	100	-	0.21	0.35	0.92
Atlanta, GA	Ozone	Moderate	50	-	199.18	333.50	877.22
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	199.26	333.64	877.60
Atlantic City, NJ	CO	Maintenance	100	-	1.42	2.37	6.20
Bakersfield, CA	CO	Maintenance	100	-	-23.74	-29.22	31.06
Baltimore, MD	CO	Maintenance	100	-	0.17	0.31	1.13
Baltimore, MD	Ozone	Moderate	50	-	84.62	142.42	382.10
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	84.62	142.41	382.09
Baton Rouge, LA	Ozone	Moderate	50	-	-1,076.98	-1,491.43	-727.40
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3,057.72	-4,247.70	-2,236.56
Benton County, TN	SO _x	Maintenance	100	-	0.03	0.05	0.14
Benton Harbor, MI	Ozone	Maintenance	100	-	4.58	7.68	20.38
Benzie County, MI	Ozone	Maintenance	100	-	0.74	1.23	3.22
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	4.33	7.24	18.95
Billings, MT	CO	Maintenance	100	-	-363.03	-504.10	-262.73
Birmingham, AL	Ozone	Maintenance	100	-	-6.86	-1.65	96.35
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-6.76	-1.49	96.76

Appendix B

**Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	8.24	14.19	41.36
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	8.24	14.19	41.36
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.53	0.89	2.32
Boston, MA	CO	Maintenance	100	-	23.93	40.01	104.70
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	146.31	244.65	640.19
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	19.15	32.02	83.74
Boyd County (part), KY	SO _x	Maintenance	100	-	0.26	0.43	1.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	32.07	53.61	140.23
Burlington, NJ	CO	Maintenance	100	-	0.19	0.32	0.84
Butte, MT	PM ₁₀	Moderate	100	-	0.53	0.88	2.31
Canon City, CO	PM ₁₀	Maintenance	100	-	0.61	1.02	2.67
Canton-Massillon, OH	Ozone	Maintenance	100	-	-116.10	-159.15	-57.47
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-116.10	-159.15	-57.47
Case County, MI	Ozone	Maintenance	100	-	1.21	2.02	5.27
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.02	0.04	0.09
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.16	0.26	0.69
Charleston, WV	Ozone	Maintenance	100	-	7.25	12.13	31.72
Charleston, WV	PM _{2.5}	Nonattainment	100	-	7.25	12.13	31.72
Charlotte, NC	CO	Maintenance	100	-	22.25	37.21	97.32
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	49.13	82.14	214.84
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	14.98	25.10	66.23
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	13.75	23.05	60.85
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,815.99	-2,466.39	-602.96
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,809.00	-2,454.70	-572.38
Chico, CA	CO	Maintenance	100	-	3.72	6.21	16.26
Chico, CA	Ozone	Former Subpart 1	50	-	8.17	13.66	35.72
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	56.43	94.35	246.79
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	54.69	91.44	239.17
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.32	0.54	1.50

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	47.65	79.66	208.37
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	7.73	12.92	33.80
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	5.00	8.36	21.87
Cleveland, OH	CO	Maintenance	100	-	24.19	40.44	105.77
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	71.11	118.89	310.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	65.28	109.15	285.50
Coachella Valley, CA	PM ₁₀	Serious	70	-	21.17	35.40	92.58
Colbert County, AL	SO _x	Maintenance	100	-	1.53	2.56	6.70
Colorado Springs, CO	CO	Maintenance	100	-	14.90	25.83	76.95
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.17	0.29	0.75
Columbia, SC	Ozone	Former Subpart 1	50	-	18.61	31.11	81.38
Columbus, OH	Ozone	Maintenance	100	-	50.77	84.88	222.01
Columbus, OH	PM _{2.5}	Nonattainment	100	-	47.20	78.91	206.40
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	0.02	0.30
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	24.19	40.44	105.77
Cuyahoga County, OH	SO _x	Maintenance	100	-	20.11	33.62	87.94
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	210.14	352.61	935.15
Dayton-Springfield, OH	Ozone	Maintenance	100	-	22.65	37.88	99.07
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	19.96	33.37	87.27
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-135.01	-162.14	228.49
Denver-Boulder, CO	CO	Maintenance	100	-	-138.98	-168.79	211.11
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-116.39	-130.98	310.27
Detroit, MI	CO	Maintenance	100	-	-190.93	-253.85	6.99
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-168.56	-197.33	351.03
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-171.02	-201.44	340.29
Door County, WI	Ozone	Former Subpart 1	50	-	1.10	1.83	4.79
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.98	1.64	4.28
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.79	1.32	3.45

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	2.17	3.63	9.51
Eagle River, AK	PM ₁₀	Moderate	100	-	0.27	0.45	1.18
East Chicago, IN	CO	Maintenance	100	-	0.03	0.04	0.12
East Chicago, IN	PM ₁₀	Maintenance	100	-	-1,343.63	-1,866.30	-979.85
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.03	0.05	0.13
El Paso County, TX	PM ₁₀	Moderate	100	-	-125.28	-170.14	-41.52
El Paso, TX	CO	Maintenance	100	-	0.84	1.41	3.83
Erie, PA	Ozone	Maintenance	100	-	6.20	10.37	27.13
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.05	0.08	0.21
Eugene-Springfield, OR	CO	Maintenance	100	-	6.74	11.27	29.48
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	6.46	10.80	28.25
Evansville, IN	Ozone	Maintenance	100	-	7.10	11.87	31.06
Evansville, IN	PM _{2.5}	Nonattainment	100	-	9.06	15.14	39.61
Fairbanks, AK	CO	Maintenance	100	-	0.53	0.89	2.34
Fayetteville, NC	Ozone	Former Subpart 1	50	-	8.39	14.03	36.71
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.22	0.37	0.98
Flint, MI	Ozone	Maintenance	100	-	14.35	23.99	62.75
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.03	0.04	0.12
Fort Collins, CO	CO	Maintenance	100	-	5.49	9.18	24.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.02	0.03	0.08
Fort Wayne, IN	Ozone	Maintenance	100	-	10.40	17.39	45.49
Franklin County, PA	Ozone	Maintenance	100	-	4.44	7.42	19.40
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.02	0.03	0.09
Frederick County, VA	Ozone	Former Subpart 1	50	-	3.74	6.25	16.35
Fredericksburg, VA	Ozone	Maintenance	100	-	13.04	21.81	57.03
Freehold, NJ	CO	Maintenance	100	-	0.56	0.94	2.46
Fresno, CA	CO	Maintenance	100	-	17.15	28.91	78.05
Grand Rapids, MI	Ozone	Maintenance	100	-	24.09	40.28	105.36
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	1.04	1.75	4.64

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.07	0.11	0.30
Grants Pass, OR	CO	Maintenance	100	-	0.01	0.02	0.06
Grants Pass, OR	PM ₁₀	Maintenance	100	-	1.02	1.71	4.47
Great Falls, MT	CO	Maintenance	100	-	0.49	0.82	2.15
Greater Connecticut, CT	Ozone	Moderate	50	-	44.59	74.81	198.27
Greeley, CO	CO	Maintenance	100	-	3.69	6.17	16.13
Green Bay, WI	SO _x	Maintenance	100	-	3.56	5.95	15.55
Greene County, IN	Ozone	Maintenance	100	-	1.38	2.31	6.03
Greene County, PA	Ozone	Maintenance	100	-	1.24	2.08	5.43
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	44.37	74.52	198.32
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	21.13	35.66	96.67
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	23.34	39.38	106.64
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.63	1.05	2.75
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	3.30	5.51	14.41
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	24.66	41.40	109.94
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	22.70	38.11	101.34
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	28.17	47.35	126.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.31	0.52	1.36
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	1.23	2.05	5.38
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.14	0.23	0.61
Hazelwood, PA	SO _x	Maintenance	100	-	1.03	1.74	4.84
Hickory, NC	PM _{2.5}	Nonattainment	100	-	4.80	8.02	20.97
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	8.06	13.47	35.23
Hollis Township, IL	SO _x	Maintenance	100	-	0.04	0.08	0.26
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,349.85	-4,610.13	-1,891.58
Humphreys County, TN	SO _x	Maintenance	100	-	0.08	0.13	0.34
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-733.59	-1,017.53	-516.51
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-737.48	-1,024.03	-533.51

Appendix B

Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	0.77	1.29	3.37
Imperial County, CA	Ozone	Moderate	50	-	6.90	11.54	30.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	6.75	11.29	29.54
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.92	1.53	4.00
Indianapolis, IN	CO	Maintenance	100	-	0.02	0.04	0.11
Indianapolis, IN	Ozone	Maintenance	100	-	58.88	98.45	257.50
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	46.78	78.21	204.56
Jackson County, IN	Ozone	Maintenance	100	-	2.20	3.68	9.62
Jamestown, NY	Ozone	Former Subpart 1	50	-	4.30	7.20	18.82
Jefferson County, NY	Ozone	Moderate	50	-	3.47	5.80	15.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.19	0.32	0.84
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	5.92	9.90	25.90
Johnstown, PA	Ozone	Maintenance	100	-	2.45	4.10	10.74
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	2.70	4.52	11.82
Juneau, AK	PM ₁₀	Moderate	100	-	0.35	0.59	1.54
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	14.02	23.44	61.31
Kalispell, MT	PM ₁₀	Moderate	100	-	0.91	1.52	3.97
Kansas City, MO-KS	Ozone	Maintenance	100	-	45.25	76.74	211.95
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	4.25	7.11	18.60
Kent, WA	PM ₁₀	Maintenance	100	-	0.78	1.30	3.41
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	2.33	3.89	10.17
Kewaunee County, WI	Ozone	Maintenance	100	-	0.68	1.13	2.96
King County, WA	PM ₁₀	Maintenance	100	-	0.31	0.52	1.35
Klamath Falls, OR	CO	Maintenance	100	-	1.35	2.26	5.92
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	1.35	2.26	5.92
Knoxville, TN	Ozone	Former Subpart 1	50	-	36.15	60.44	158.09
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	27.57	46.10	120.57
La Porte County, IN	SO _x	Maintenance	100	-	0.92	1.54	4.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.42	0.71	1.84

Appendix B

Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	7.53	12.77	35.20
Lake County, OH	SO _x	Maintenance	100	-	0.98	1.64	4.30
Lake County, OR	PM ₁₀	Maintenance	100	-	0.16	0.27	0.71
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	1.03	1.73	4.52
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	2.27	3.79	9.91
Lake Tahoe, NV	CO	Maintenance	100	-	0.57	0.96	2.50
Lamar, CO	PM ₁₀	Maintenance	100	-	0.24	0.40	1.05
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.16
Lancaster, PA	Ozone	Maintenance	100	-	12.50	21.04	56.52
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	12.50	21.04	56.52
Lane County, OR	PM ₁₀	Moderate	100	-	0.04	0.06	0.16
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	13.51	22.58	59.07
LaPorte, IN	Ozone	Maintenance	100	-	2.56	4.28	11.19
Las Vegas, NV	CO	Serious	100	-	47.65	79.66	208.37
Las Vegas, NV	Ozone	Former Subpart 1	50	-	48.23	80.65	210.94
Lauderdale County, AL	SO _x	Maintenance	100	-	2.36	3.95	10.33
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.05	0.08	0.21
Libby, MT	PM ₁₀	Moderate	100	-	0.11	0.19	0.50
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.15	0.25	0.67
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.32	0.54	1.50
Lima, OH	Ozone	Maintenance	100	-	-640.64	-889.77	-466.07
Longmont, CO	CO	Maintenance	100	-	2.86	4.79	12.52
Lorain County, OH	SO _x	Maintenance	100	-	1.30	2.18	5.70
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-431.43	-470.83	1,339.17
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-431.43	-470.83	1,339.17
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-431.43	-470.83	1,339.17
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-431.43	-470.82	1,339.19
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-431.45	-470.86	1,339.08
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	20.93	34.99	91.51

Appendix B

Table B.1-227							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	31.28	52.30	136.79
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	29.99	50.15	131.16
Lowell, MA	CO	Maintenance	100	-	3.36	5.62	14.70
Lucas County, OH	SO _x	Maintenance	100	-	7.94	13.28	34.74
Lyons Township, IL	PM ₁₀	Maintenance	100	-	1.65	2.76	7.25
Macon, GA	Ozone	Maintenance	100	-	5.50	9.20	24.07
Macon, GA	PM _{2.5}	Nonattainment	100	-	5.44	9.09	23.79
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.08	0.13	0.33
Madison, WI	SO _x	Maintenance	100	-	7.62	12.74	33.32
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.35	0.58	1.51
Manchester, NH	CO	Maintenance	100	-	2.03	3.40	8.88
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	2.76	4.62	12.09
Marion County, IN	SO _x	Maintenance	100	-	8.41	14.06	36.77
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	3.72	6.23	16.28
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	9.08	15.17	39.69
Mason County, MI	Ozone	Maintenance	100	-	0.76	1.27	3.32
Medford, OR	CO	Maintenance	100	-	2.47	4.12	10.78
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	5.92	9.89	25.87
Memphis, TN-AR	Ozone	Maintenance	100	-	-148.39	-198.71	-12.96
Memphis, TN	CO	Maintenance	100	-	-150.44	-202.14	-21.92
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.92	1.53	4.00
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.12	0.21	0.58
Milwaukee, WI	SO _x	Maintenance	100	-	14.31	23.93	62.59
Milwaukee-Racine, WI	Ozone	Moderate	50	-	51.11	85.45	223.51
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-522.09	-701.97	-81.87
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	78.54	132.33	356.46
Missoula, MT	CO	Maintenance	100	-	0.14	0.70	6.61

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	0.13	0.68	6.40
Modesto, CA	CO	Maintenance	100	-	9.98	16.69	43.65
Mohave County, AZ	PM ₁₀	Maintenance	100	-	3.39	5.66	14.81
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.05	0.08	0.21
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.09	0.15	0.40
Morristown, NJ	CO	Maintenance	100	-	1.03	1.73	4.52
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.77	1.29	3.38
Muncie, IN	Ozone	Maintenance	100	-	2.95	4.93	12.89
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.14	0.23	0.60
Muscatine County, IA	SO _x	Maintenance	100	-	0.44	0.73	1.91
Muskegon, MI	Ozone	Maintenance	100	-	3.62	6.08	16.13
Nashua, NH	CO	Maintenance	100	-	1.64	2.74	7.15
Nashville, TN	Ozone	Former Subpart 1	50	-	47.41	79.60	211.67
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	4.94	8.26	21.60
New Haven County, CT	PM ₁₀	Maintenance	100	-	4.27	7.14	18.68
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	21.56	36.05	94.29
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.16	0.26	0.69
New York County, NY	PM ₁₀	Moderate	100	-	12.04	20.13	52.66
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-133.51	-124.23	690.98
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-83.85	1.95	1,463.63
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-87.58	-4.29	1,447.31
Nogales, AZ	PM ₁₀	Moderate	100	-	1.20	2.01	5.25
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-355.25	-481.41	-104.09
Ogden, UT	CO	Maintenance	100	-	1.93	3.23	8.46
Ogden, UT	PM ₁₀	Moderate	100	-	1.93	3.23	8.46
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.06	0.10	0.25
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.55	0.92	2.41
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	3.31	5.53	14.46

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.13	0.22	0.56
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	3.95	6.60	17.26
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	3.97	6.63	17.37
Payson, AZ	PM ₁₀	Maintenance	100	-	0.59	0.98	2.57
Penns Grove, NJ	CO	Maintenance	100	-	0.01	0.02	0.06
Peoria, IL	SO _x	Maintenance	100	-	1.81	3.27	11.10
Perth Amboy, NJ	CO	Maintenance	100	-	-148.33	-205.49	-101.27
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	10.16	16.98	44.43
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,173.53	-1,596.55	-424.59
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,116.31	-1,500.33	-167.35
Phoenix, AZ	CO	Maintenance	100	-	159.70	267.49	704.40
Phoenix, AZ	PM ₁₀	Serious	70	-	164.12	274.87	723.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	164.58	275.65	725.82
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.28	0.48	1.25
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.03	0.05	0.13
Pittsburgh, PA	CO	Maintenance	100	-	0.68	1.16	3.22
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	52.64	88.60	237.76
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	47.92	80.70	217.00
Polk County, TN	SO _x	Maintenance	100	-	0.58	0.97	2.54
Polson, MT	PM ₁₀	Moderate	100	-	0.09	0.16	0.41
Portland, ME	Ozone	Maintenance	100	-	12.93	22.48	67.60
Portland, OR	CO	Maintenance	100	-	30.29	51.29	140.74
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	1.20	2.01	5.26
Poughkeepsie, NY	Ozone	Moderate	50	-	42.31	70.74	185.04
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.24	0.40	1.06
Providence (entire State), RI	Ozone	Moderate	50	-	24.77	42.49	122.17
Provo, UT	CO	Maintenance	100	-	5.06	8.46	22.12
Raleigh-Durham, NC	CO	Maintenance	100	-	39.02	65.43	173.13

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	53.28	89.27	235.49
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.04	0.06	0.21
Reading, PA	Ozone	Maintenance	100	-	9.34	15.62	40.85
Reading, PA	PM _{2.5}	Nonattainment	100	-	9.34	15.62	40.85
Reno, NV	CO	Maintenance	100	-	6.96	11.64	30.43
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.03	0.05	0.14
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	32.26	54.60	149.60
Rillito, AZ	PM ₁₀	Moderate	100	-	1.57	2.62	6.85
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	21.17	35.40	92.58
Roanoke, VA	Ozone	Former Subpart 1	50	-	7.18	12.00	31.39
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	2.35	3.93	10.29
Rochester, NY	Ozone	Former Subpart 1	50	-	37.60	62.87	164.45
Rocky Mount, NC	Ozone	Maintenance	100	-	5.06	8.46	22.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	3.34	5.59	14.61
Ronan, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.16
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.07	0.11	0.30
Sacramento County, CA	PM ₁₀	Moderate	100	-	48.36	80.86	211.50
Sacramento Metro, CA	Ozone	Severe	25	-	86.46	145.19	386.28
Sacramento, CA	CO	Maintenance	100	-	54.09	90.52	237.54
Salem, OR	CO	Maintenance	100	-	3.63	6.07	15.89
Salt Lake City, UT	CO	Maintenance	100	-	-66.00	-89.99	-26.48
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-42.20	-50.20	77.59
Salt Lake County, UT	SO _x	Nonattainment	100	-	30.04	50.22	131.36
San Antonio, TX	Ozone	Former Subpart 1	50	-	50.41	85.58	237.07
San Bernardino County, CA	PM ₁₀	Moderate	100	-	12.99	21.72	56.81
San Diego, CA	CO	Maintenance	100	-	130.58	218.58	574.26
San Diego, CA	Ozone	Former Subpart 1	50	-	130.83	219.00	575.35
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,654.07	-2,244.62	-525.27

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,629.30	-2,203.20	-416.92
San Joaquin Valley, CA	Ozone	Extreme	10	-	107.02	189.83	608.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	107.47	190.58	610.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	107.02	189.83	608.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	1.05	1.75	4.59
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.08
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	18.80	31.44	82.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	89.01	148.83	389.27
Sheboygan, WI	Ozone	Moderate	50	-	3.46	5.78	15.13
Sheridan, WY	PM ₁₀	Moderate	100	-	0.60	1.01	2.64
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.51	0.85	2.23
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	11.56	19.65	54.72
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	4.17	6.98	18.35
Spokane County, WA	PM ₁₀	Maintenance	100	-	8.80	14.72	38.50
Spokane, WA	CO	Maintenance	100	-	8.71	14.56	38.08
Springfield (western MA), MA	Ozone	Moderate	50	-	23.54	39.79	108.56
Springfield, MA	CO	Maintenance	100	-	3.56	6.13	17.83
St. Louis, MO	CO	Maintenance	100	-	23.09	38.61	100.98
St. Louis, MO-IL	Ozone	Moderate	50	-	-961.00	-1,313.27	-423.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-961.53	-1,314.16	-425.50
State College, PA	Ozone	Maintenance	100	-	5.10	8.52	22.30
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.61	1.03	2.69
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	1.11	1.85	4.84
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-35.40	-48.51	-17.34
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-35.40	-48.51	-17.34
Stockton, CA	CO	Maintenance	100	-	15.08	25.21	65.93
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	14.00	23.41	61.22

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Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.05	0.09	0.24
Terre Haute, IN	Ozone	Maintenance	100	-	3.39	5.66	14.80
Tioga County, PA	Ozone	Maintenance	100	-	1.49	2.50	6.53
Toledo, OH	Ozone	Maintenance	100	-	-606.04	-838.30	-397.01
Toms River, NJ	CO	Maintenance	100	-	3.10	5.18	13.54
Tooele County, UT	SO _x	Nonattainment	100	-	2.95	4.93	12.89
Trenton, NJ	CO	Maintenance	100	-	2.54	4.24	11.09
Trona, CA	PM ₁₀	Moderate	100	-	0.10	0.17	0.44
Tucson, AZ	CO	Maintenance	100	-	30.08	50.29	131.54
Utah County, UT	PM ₁₀	Moderate	100	-	14.68	24.54	64.20
Vancouver, WA	CO	Maintenance	100	-	9.77	16.34	42.74
Ventura County, CA	Ozone	Serious	50	-	25.03	42.35	115.83
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.19	0.32	0.82
Vigo County, IN	SO _x	Maintenance	100	-	3.39	5.66	14.80
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	1.58	2.64	6.89
Warren County, NJ	SO _x	Maintenance	100	-	1.03	1.73	4.52
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	0.09	1.34
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	5.92	9.90	25.91
Washington, DC-MD-VA	CO	Maintenance	100	-	45.22	75.60	197.74
Washington, DC-MD-VA	Ozone	Moderate	50	-	161.83	270.57	707.71
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	158.25	264.58	692.04
Washoe County, NV	PM ₁₀	Serious	70	-	6.96	11.64	30.43
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.11	0.19	0.49
Wayne County, IN	SO _x	Maintenance	100	-	1.82	3.05	7.97
Wayne County, MI	PM ₁₀	Maintenance	100	-	-156.25	-216.55	-107.66
Weirton, WV	PM ₁₀	Maintenance	100	-	0.23	0.38	1.00
Weirton, WV	SO _x	Maintenance	100	-	0.31	0.51	1.34
Wheeling, WV-OH	Ozone	Maintenance	100	-	3.81	6.38	16.68

Appendix B

**Table B.1-227
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	3.81	6.38	16.68
Winston-Salem, NC	CO	Maintenance	100	-	11.77	19.68	51.48
Worcester, MA	CO	Maintenance	100	-	6.60	11.03	28.85
Yakima County, WA	PM ₁₀	Maintenance	100	-	2.69	4.50	11.78
Yakima, WA	CO	Maintenance	100	-	1.21	2.03	5.31
York, PA	Ozone	Maintenance	100	-	13.05	21.82	57.08
York, PA	PM _{2.5}	Nonattainment	100	-	10.12	16.92	44.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	16.70	27.93	73.04
Yuma, AZ	PM ₁₀	Moderate	100	-	5.75	9.61	25.14

- a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.
- b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.
- c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.13	0.18	0.36
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.33	0.45	0.91
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.35	0.47	0.94
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	100.04	135.04	278.16
Albuquerque, NM	CO	Maintenance	100	-	46.03	61.96	125.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	12.98	17.47	35.47
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	45.32	61.28	127.30
Altoona, PA	Ozone	Maintenance	100	-	6.96	9.37	19.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	18.52	24.93	50.62
Anchorage, AK	CO	Maintenance	100	-	12.47	16.79	34.09
Anthony, NM	PM ₁₀	Moderate	100	-	0.57	0.76	1.55
Armstrong County, PA	SO _x	Nonattainment	100	-	0.39	0.53	1.07
Aspen, CO	PM ₁₀	Maintenance	100	-	0.61	0.82	1.66
Atlanta, GA	Ozone	Moderate	50	-	576.54	776.52	1,581.94
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	576.73	776.77	1,582.44
Atlantic City, NJ	CO	Maintenance	100	-	3.79	5.10	10.35
Bakersfield, CA	CO	Maintenance	100	-	-32.13	-31.54	55.39
Baltimore, MD	CO	Maintenance	100	-	0.52	0.73	1.86
Baltimore, MD	Ozone	Moderate	50	-	243.58	328.87	678.24
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	243.57	328.87	678.23
Baton Rouge, LA	Ozone	Moderate	50	-	-2,044.34	-2,406.26	-1,359.69
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5,846.27	-6,903.24	-4,157.25
Benton County, TN	SO _x	Maintenance	100	-	0.08	0.11	0.21
Benton Harbor, MI	Ozone	Maintenance	100	-	11.66	15.72	32.24
Benzie County, MI	Ozone	Maintenance	100	-	2.24	3.01	6.12
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	12.35	16.62	33.76
Billings, MT	CO	Maintenance	100	-	-693.32	-818.30	-488.45
Birmingham, AL	Ozone	Maintenance	100	-	8.42	22.29	157.14
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	8.70	22.67	157.90

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Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	25.37	34.57	74.44
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	25.37	34.57	74.44
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	1.63	2.19	4.45
Boston, MA	CO	Maintenance	100	-	65.61	88.32	179.39
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	406.95	547.78	1,112.66
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	54.35	73.16	148.56
Boyd County (part), KY	SO _x	Maintenance	100	-	0.69	0.92	1.88
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	86.79	116.82	237.22
Burlington, NJ	CO	Maintenance	100	-	0.36	0.49	0.99
Butte, MT	PM ₁₀	Moderate	100	-	1.30	1.75	3.56
Canon City, CO	PM ₁₀	Maintenance	100	-	1.87	2.51	5.10
Canton-Massillon, OH	Ozone	Maintenance	100	-	-216.46	-252.30	-113.62
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-216.46	-252.30	-113.62
Case County, MI	Ozone	Maintenance	100	-	3.25	4.37	8.88
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.07	0.09	0.18
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.38	0.51	1.04
Charleston, WV	Ozone	Maintenance	100	-	18.56	24.98	50.73
Charleston, WV	PM _{2.5}	Nonattainment	100	-	18.56	24.98	50.73
Charlotte, NC	CO	Maintenance	100	-	64.58	86.93	176.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	141.13	189.96	385.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	40.72	54.87	112.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	37.70	50.80	103.75
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-3,288.97	-3,790.46	-1,198.67
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-3,269.31	-3,763.99	-1,144.92
Chico, CA	CO	Maintenance	100	-	11.96	16.10	32.69
Chico, CA	Ozone	Former Subpart 1	50	-	25.06	33.73	68.49
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	156.72	210.94	428.35
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	151.65	204.13	414.51
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.74	1.01	2.14

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Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	143.41	193.04	391.99
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	22.17	29.84	60.60
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	13.51	18.19	36.94
Cleveland, OH	CO	Maintenance	100	-	60.99	82.09	166.69
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	191.39	257.62	523.13
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	175.02	235.57	478.37
Coachella Valley, CA	PM ₁₀	Serious	70	-	65.62	88.33	179.37
Colbert County, AL	SO _x	Maintenance	100	-	3.84	5.17	10.50
Colorado Springs, CO	CO	Maintenance	100	-	47.48	64.88	141.60
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.51	0.69	1.40
Columbia, SC	Ozone	Former Subpart 1	50	-	51.95	69.93	142.00
Columbus, OH	Ozone	Maintenance	100	-	147.26	198.22	402.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	137.16	184.61	374.88
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.02	0.05	0.37
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.02	0.02	0.05
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	60.99	82.09	166.69
Cuyahoga County, OH	SO _x	Maintenance	100	-	52.58	70.78	143.72
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	623.68	840.76	1,720.49
Dayton-Springfield, OH	Ozone	Maintenance	100	-	59.92	80.65	163.76
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	52.61	70.82	143.80
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-166.16	-152.91	411.72
Denver-Boulder, CO	CO	Maintenance	100	-	-177.86	-168.66	379.72
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-111.61	-79.46	561.13
Detroit, MI	CO	Maintenance	100	-	-387.37	-442.08	-87.96
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-212.26	-191.29	575.36
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-219.06	-200.45	556.76
Door County, WI	Ozone	Former Subpart 1	50	-	3.14	4.23	8.58
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	2.60	3.50	7.10
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	2.14	2.88	5.85

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Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	5.69	7.65	15.54
Eagle River, AK	PM ₁₀	Moderate	100	-	0.80	1.08	2.19
East Chicago, IN	CO	Maintenance	100	-	0.07	0.09	0.19
East Chicago, IN	PM ₁₀	Maintenance	100	-	-2,568.37	-3,032.37	-1,822.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.08	0.11	0.22
El Paso County, TX	PM ₁₀	Moderate	100	-	-226.76	-261.32	-82.49
El Paso, TX	CO	Maintenance	100	-	2.31	3.13	6.48
Erie, PA	Ozone	Maintenance	100	-	16.49	22.19	45.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.15	0.20	0.40
Eugene-Springfield, OR	CO	Maintenance	100	-	19.16	25.79	52.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	18.41	24.78	50.33
Evansville, IN	Ozone	Maintenance	100	-	19.37	26.07	52.93
Evansville, IN	PM _{2.5}	Nonattainment	100	-	24.44	32.90	66.81
Fairbanks, AK	CO	Maintenance	100	-	1.56	2.10	4.27
Fayetteville, NC	Ozone	Former Subpart 1	50	-	23.19	31.22	63.40
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.66	0.89	1.81
Flint, MI	Ozone	Maintenance	100	-	38.63	51.99	105.57
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.05	0.07	0.14
Fort Collins, CO	CO	Maintenance	100	-	16.26	21.88	44.44
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.04	0.06	0.12
Fort Wayne, IN	Ozone	Maintenance	100	-	28.80	38.76	78.71
Franklin County, PA	Ozone	Maintenance	100	-	12.51	16.84	34.20
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.05	0.07	0.15
Frederick County, VA	Ozone	Former Subpart 1	50	-	10.39	13.98	28.39
Fredericksburg, VA	Ozone	Maintenance	100	-	38.99	52.49	106.58
Freehold, NJ	CO	Maintenance	100	-	1.80	2.43	4.93
Fresno, CA	CO	Maintenance	100	-	50.78	68.58	141.64
Grand Rapids, MI	Ozone	Maintenance	100	-	68.94	92.80	188.44
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	2.63	3.55	7.27

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Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	0.17	0.23	0.46
Grants Pass, OR	CO	Maintenance	100	-	0.04	0.06	0.11
Grants Pass, OR	PM ₁₀	Maintenance	100	-	3.07	4.13	8.38
Great Falls, MT	CO	Maintenance	100	-	1.19	1.60	3.24
Greater Connecticut, CT	Ozone	Moderate	50	-	120.97	163.10	333.99
Greeley, CO	CO	Maintenance	100	-	10.63	14.31	29.05
Green Bay, WI	SO _x	Maintenance	100	-	9.88	13.29	27.00
Greene County, IN	Ozone	Maintenance	100	-	3.80	5.12	10.39
Greene County, PA	Ozone	Maintenance	100	-	3.32	4.46	9.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	122.28	164.93	338.38
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	58.30	78.81	163.50
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	63.52	85.87	178.12
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	1.72	2.31	4.69
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	9.11	12.26	24.90
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	70.81	95.49	195.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	65.16	87.88	180.20
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	75.60	102.03	209.97
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.93	1.25	2.53
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	3.69	4.97	10.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.39	0.53	1.07
Hazelwood, PA	SO _x	Maintenance	100	-	2.94	3.99	8.46
Hickory, NC	PM _{2.5}	Nonattainment	100	-	12.61	16.97	34.46
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	21.59	29.06	59.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.12	0.17	0.42
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-6,258.36	-7,317.35	-3,563.01
Humphreys County, TN	SO _x	Maintenance	100	-	0.22	0.29	0.59
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-1,398.80	-1,649.32	-965.67
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-1,409.39	-1,663.57	-994.61

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Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	2.04	2.75	5.58
Imperial County, CA	Ozone	Moderate	50	-	20.65	27.79	56.44
Imperial Valley, CA	PM ₁₀	Serious	70	-	20.23	27.24	55.30
Indian Wells, CA	PM ₁₀	Maintenance	100	-	2.41	3.25	6.59
Indianapolis, IN	CO	Maintenance	100	-	0.06	0.07	0.15
Indianapolis, IN	Ozone	Maintenance	100	-	167.14	224.97	456.83
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	133.02	179.05	363.58
Jackson County, IN	Ozone	Maintenance	100	-	5.95	8.00	16.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	11.63	15.66	31.79
Jefferson County, NY	Ozone	Moderate	50	-	9.47	12.74	25.87
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.45	0.61	1.23
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	15.80	21.26	43.18
Johnstown, PA	Ozone	Maintenance	100	-	5.78	7.78	15.80
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	6.37	8.57	17.40
Juneau, AK	PM ₁₀	Moderate	100	-	1.10	1.48	3.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	37.95	51.08	103.72
Kalispell, MT	PM ₁₀	Moderate	100	-	2.68	3.60	7.31
Kansas City, MO-KS	Ozone	Maintenance	100	-	132.66	179.74	377.01
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	12.16	16.36	33.23
Kent, WA	PM ₁₀	Maintenance	100	-	2.33	3.14	6.38
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	6.31	8.49	17.24
Kewaunee County, WI	Ozone	Maintenance	100	-	1.81	2.43	4.94
King County, WA	PM ₁₀	Maintenance	100	-	0.89	1.20	2.45
Klamath Falls, OR	CO	Maintenance	100	-	3.62	4.88	9.90
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	3.62	4.88	9.90
Knoxville, TN	Ozone	Former Subpart 1	50	-	105.45	141.94	288.23
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	79.51	107.03	217.33
La Porte County, IN	SO _x	Maintenance	100	-	2.37	3.20	6.49
LaGrande, OR	PM ₁₀	Maintenance	100	-	1.16	1.56	3.17

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Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	20.16	27.32	57.38
Lake County, OH	SO _x	Maintenance	100	-	2.65	3.56	7.24
Lake County, OR	PM ₁₀	Maintenance	100	-	0.43	0.58	1.17
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	3.34	4.50	9.13
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	7.61	10.24	20.79
Lake Tahoe, NV	CO	Maintenance	100	-	1.53	2.06	4.18
Lamar, CO	PM ₁₀	Maintenance	100	-	0.65	0.88	1.78
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.09	0.12	0.24
Lancaster, PA	Ozone	Maintenance	100	-	35.49	47.93	98.88
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	35.49	47.93	98.88
Lane County, OR	PM ₁₀	Moderate	100	-	0.09	0.11	0.23
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	37.18	50.05	101.63
LaPorte, IN	Ozone	Maintenance	100	-	6.59	8.86	18.00
Las Vegas, NV	CO	Serious	100	-	143.41	193.04	391.99
Las Vegas, NV	Ozone	Former Subpart 1	50	-	144.90	195.04	396.05
Lauderdale County, AL	SO _x	Maintenance	100	-	6.20	8.35	16.95
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.13	0.17	0.35
Libby, MT	PM ₁₀	Moderate	100	-	0.29	0.39	0.80
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.39	0.52	1.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.74	1.01	2.14
Lima, OH	Ozone	Maintenance	100	-	-1,224.37	-1,445.42	-866.91
Longmont, CO	CO	Maintenance	100	-	8.65	11.64	23.65
Lorain County, OH	SO _x	Maintenance	100	-	3.61	4.85	9.86
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-382.67	-235.28	2,378.85
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-382.67	-235.28	2,378.85
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-382.67	-235.28	2,378.85
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-382.66	-235.27	2,378.87
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-382.73	-235.36	2,378.69
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	60.88	81.95	166.40

Appendix B

**Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	84.50	113.73	230.95
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	80.34	108.14	219.59
Lowell, MA	CO	Maintenance	100	-	9.78	13.16	26.72
Lucas County, OH	SO _x	Maintenance	100	-	20.61	27.74	56.32
Lyons Township, IL	PM ₁₀	Maintenance	100	-	4.29	5.77	11.76
Macon, GA	Ozone	Maintenance	100	-	14.13	19.02	38.62
Macon, GA	PM _{2.5}	Nonattainment	100	-	13.94	18.77	38.11
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.19	0.26	0.53
Madison, WI	SO _x	Maintenance	100	-	22.67	30.52	61.97
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	1.19	1.60	3.24
Manchester, NH	CO	Maintenance	100	-	5.04	6.79	13.78
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	7.36	9.90	20.11
Marion County, IN	SO _x	Maintenance	100	-	22.05	29.68	60.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	11.53	15.52	31.52
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	25.09	33.77	68.57
Mason County, MI	Ozone	Maintenance	100	-	2.12	2.86	5.80
Medford, OR	CO	Maintenance	100	-	7.44	10.01	20.33
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	17.94	24.15	49.04
Memphis, TN-AR	Ozone	Maintenance	100	-	-264.93	-301.43	-48.93
Memphis, TN	CO	Maintenance	100	-	-270.04	-308.31	-62.89
Miami (Gila County), AZ	SO _x	Maintenance	100	-	2.72	3.66	7.44
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.31	0.42	0.89
Milwaukee, WI	SO _x	Maintenance	100	-	38.16	51.36	104.30
Milwaukee-Racine, WI	Ozone	Moderate	50	-	142.35	191.61	389.09
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-921.67	-1,049.66	-182.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	225.92	305.19	631.02
Missoula, MT	CO	Maintenance	100	-	2.10	3.31	11.68

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Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	2.03	3.20	11.30
Modesto, CA	CO	Maintenance	100	-	30.14	40.56	82.37
Mohave County, AZ	PM ₁₀	Maintenance	100	-	10.43	14.04	28.51
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.15	0.20	0.41
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.24	0.32	0.65
Morristown, NJ	CO	Maintenance	100	-	3.20	4.30	8.73
Muhlenberg County, KY	SO _x	Maintenance	100	-	2.01	2.71	5.50
Muncie, IN	Ozone	Maintenance	100	-	7.32	9.85	20.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.46	0.62	1.26
Muscatine County, IA	SO _x	Maintenance	100	-	1.24	1.66	3.38
Muskegon, MI	Ozone	Maintenance	100	-	10.13	13.66	27.98
Nashua, NH	CO	Maintenance	100	-	4.12	5.54	11.25
Nashville, TN	Ozone	Former Subpart 1	50	-	136.97	184.72	378.76
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	15.86	21.35	43.36
New Haven County, CT	PM ₁₀	Maintenance	100	-	12.88	17.34	35.21
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	57.61	77.54	157.46
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.43	0.57	1.16
New York County, NY	PM ₁₀	Moderate	100	-	31.03	41.76	84.81
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-81.63	0.68	1,130.13
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	191.84	416.93	2,467.02
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	181.16	402.56	2,437.83
Nogales, AZ	PM ₁₀	Moderate	100	-	3.40	4.58	9.30
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-643.80	-740.85	-221.02
Ogden, UT	CO	Maintenance	100	-	5.19	6.99	14.19
Ogden, UT	PM ₁₀	Moderate	100	-	5.19	6.99	14.19
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.13	0.18	0.36
Olmsted County, MN	PM ₁₀	Maintenance	100	-	1.37	1.85	3.75
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	9.74	13.11	26.61

Appendix B

Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	0.46	0.62	1.26
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.05
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	10.48	14.10	28.64
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	10.54	14.19	28.84
Payson, AZ	PM ₁₀	Maintenance	100	-	1.70	2.29	4.64
Penns Grove, NJ	CO	Maintenance	100	-	0.04	0.05	0.10
Peoria, IL	SO _x	Maintenance	100	-	5.43	7.58	18.13
Perth Amboy, NJ	CO	Maintenance	100	-	-280.97	-330.69	-186.69
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	25.83	34.77	70.63
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-2,147.02	-2,481.70	-872.13
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,987.02	-2,265.80	-428.04
Phoenix, AZ	CO	Maintenance	100	-	508.82	685.34	1,396.45
Phoenix, AZ	PM ₁₀	Serious	70	-	521.81	702.82	1,431.99
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	523.08	704.53	1,435.48
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.71	0.96	1.94
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.07	0.09	0.18
Pittsburgh, PA	CO	Maintenance	100	-	2.35	3.19	6.77
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	141.88	191.63	395.81
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	129.20	174.56	361.14
Polk County, TN	SO _x	Maintenance	100	-	1.57	2.11	4.29
Polson, MT	PM ₁₀	Moderate	100	-	0.29	0.39	0.78
Portland, ME	Ozone	Maintenance	100	-	38.50	52.74	116.47
Portland, OR	CO	Maintenance	100	-	84.70	114.73	240.29
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	3.21	4.32	8.77
Poughkeepsie, NY	Ozone	Moderate	50	-	125.24	168.57	342.31
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.62	0.84	1.70
Providence (entire State), RI	Ozone	Moderate	50	-	73.11	99.61	214.55
Provo, UT	CO	Maintenance	100	-	14.97	20.14	40.91
Raleigh-Durham, NC	CO	Maintenance	100	-	114.77	154.67	316.03

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Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	156.01	210.17	428.74
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.10	0.14	0.32
Reading, PA	Ozone	Maintenance	100	-	25.49	34.32	69.68
Reading, PA	PM _{2.5}	Nonattainment	100	-	25.49	34.32	69.68
Reno, NV	CO	Maintenance	100	-	19.24	25.90	52.59
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.12	0.15	0.31
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	90.93	123.09	257.00
Rillito, AZ	PM ₁₀	Moderate	100	-	4.79	6.44	13.09
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	65.62	88.33	179.37
Roanoke, VA	Ozone	Former Subpart 1	50	-	19.18	25.82	52.42
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	6.64	8.94	18.15
Rochester, NY	Ozone	Former Subpart 1	50	-	102.85	138.43	281.10
Rocky Mount, NC	Ozone	Maintenance	100	-	13.46	18.12	36.79
Rome, GA	PM _{2.5}	Nonattainment	100	-	9.05	12.19	24.75
Ronan, MT	PM ₁₀	Moderate	100	-	0.11	0.14	0.29
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.18	0.24	0.49
Sacramento County, CA	PM ₁₀	Moderate	100	-	147.62	198.69	403.47
Sacramento Metro, CA	Ozone	Severe	25	-	269.90	363.94	745.76
Sacramento, CA	CO	Maintenance	100	-	165.67	223.07	453.76
Salem, OR	CO	Maintenance	100	-	9.80	13.18	26.77
Salt Lake City, UT	CO	Maintenance	100	-	-120.57	-139.55	-51.24
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-53.49	-49.26	132.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	84.82	114.17	231.83
San Antonio, TX	Ozone	Former Subpart 1	50	-	148.39	201.16	423.06
San Bernardino County, CA	PM ₁₀	Moderate	100	-	37.00	49.80	101.12
San Diego, CA	CO	Maintenance	100	-	393.51	529.93	1,078.80
San Diego, CA	Ozone	Former Subpart 1	50	-	394.29	530.98	1,080.93
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2,971.72	-3,418.08	-1,000.51

Appendix B

**Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2,902.67	-3,325.15	-811.79
San Joaquin Valley, CA	Ozone	Extreme	10	-	367.96	507.40	1,154.19
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	368.92	508.70	1,156.82
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	367.96	507.40	1,154.19
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	3.11	4.19	8.51
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.07	0.14
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	51.43	69.22	140.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	255.42	343.79	698.13
Sheboygan, WI	Ozone	Moderate	50	-	9.75	13.13	26.66
Sheridan, WY	PM ₁₀	Moderate	100	-	1.62	2.18	4.43
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	1.44	1.94	3.93
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	32.63	44.27	93.52
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	9.24	12.45	25.36
Spokane County, WA	PM ₁₀	Maintenance	100	-	25.15	33.86	68.75
Spokane, WA	CO	Maintenance	100	-	24.86	33.46	67.94
Springfield (western MA), MA	Ozone	Moderate	50	-	65.66	88.87	185.44
Springfield, MA	CO	Maintenance	100	-	10.78	14.72	32.05
St. Louis, MO	CO	Maintenance	100	-	56.84	76.50	155.35
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,780.21	-2,068.36	-853.40
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,781.63	-2,070.27	-857.28
State College, PA	Ozone	Maintenance	100	-	14.67	19.75	40.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	1.92	2.59	5.26
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	2.80	3.77	7.65
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-66.25	-77.26	-35.16
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-66.25	-77.26	-35.16
Stockton, CA	CO	Maintenance	100	-	46.82	63.02	127.97
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	37.26	50.16	101.85

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Table B.1-228							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Nitrogen Oxide (NO_x) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	0.18	0.25	0.50
Terre Haute, IN	Ozone	Maintenance	100	-	8.51	11.45	23.25
Tioga County, PA	Ozone	Maintenance	100	-	3.87	5.21	10.58
Toledo, OH	Ozone	Maintenance	100	-	-1,149.35	-1,351.59	-749.20
Toms River, NJ	CO	Maintenance	100	-	9.36	12.59	25.57
Tooele County, UT	SO _x	Nonattainment	100	-	8.34	11.23	22.80
Trenton, NJ	CO	Maintenance	100	-	7.13	9.59	19.48
Trona, CA	PM ₁₀	Moderate	100	-	0.31	0.42	0.85
Tucson, AZ	CO	Maintenance	100	-	87.49	117.76	239.13
Utah County, UT	PM ₁₀	Moderate	100	-	42.71	57.49	116.74
Vancouver, WA	CO	Maintenance	100	-	29.13	39.21	79.62
Ventura County, CA	Ozone	Serious	50	-	77.56	104.95	218.73
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.48	0.65	1.31
Vigo County, IN	SO _x	Maintenance	100	-	8.51	11.45	23.25
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	4.30	5.79	11.77
Warren County, NJ	SO _x	Maintenance	100	-	2.88	3.88	7.88
Warren County, PA	SO _x	Nonattainment	100	-	0.11	0.28	1.94
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	16.08	21.65	43.96
Washington, DC-MD-VA	CO	Maintenance	100	-	130.41	175.54	356.46
Washington, DC-MD-VA	Ozone	Moderate	50	-	467.33	629.03	1,277.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	456.50	614.45	1,247.74
Washoe County, NV	PM ₁₀	Serious	70	-	19.24	25.90	52.59
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.30	0.40	0.81
Wayne County, IN	SO _x	Maintenance	100	-	4.55	6.12	12.43
Wayne County, MI	PM ₁₀	Maintenance	100	-	-315.70	-371.44	-208.16
Weirton, WV	PM ₁₀	Maintenance	100	-	0.47	0.64	1.29
Weirton, WV	SO _x	Maintenance	100	-	0.67	0.90	1.82
Wheeling, WV-OH	Ozone	Maintenance	100	-	9.50	12.79	25.97

Appendix B

Table B.1-228
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Nitrogen Oxide (NO_x) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	9.50	12.79	25.97
Winston-Salem, NC	CO	Maintenance	100	-	32.75	44.08	89.50
Worcester, MA	CO	Maintenance	100	-	19.49	26.23	53.26
Yakima County, WA	PM ₁₀	Maintenance	100	-	7.52	10.12	20.55
Yakima, WA	CO	Maintenance	100	-	3.71	4.99	10.14
York, PA	Ozone	Maintenance	100	-	37.03	49.84	101.21
York, PA	PM _{2.5}	Nonattainment	100	-	28.64	38.55	78.29
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	42.69	57.46	116.68
Yuma, AZ	PM ₁₀	Moderate	100	-	17.02	22.90	46.51

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.29	0.30	-0.05
Albuquerque, NM	CO	Maintenance	100	-	0.13	0.14	-0.03
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.13	0.14	-0.03
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.04	-0.01
Anchorage, AK	CO	Maintenance	100	-	0.03	0.03	-0.01
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	1.49	1.53	-0.28
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.49	1.53	-0.28
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.16	-0.25	-0.59
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.67	0.69	-0.13
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.67	0.69	-0.13
Baton Rouge, LA	Ozone	Moderate	50	-	-15.12	-20.37	-33.64
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-48.58	-65.31	-107.07
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.01
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	-0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Billings, MT	CO	Maintenance	100	-	-8.07	-10.85	-17.80
Birmingham, AL	Ozone	Maintenance	100	-	-0.49	-0.73	-1.63

Appendix B

Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.49	-0.73	-1.63
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.07	0.07	-0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Boston, MA	CO	Maintenance	100	-	0.19	0.20	-0.04
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.15	1.18	-0.22
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.15	0.15	-0.03
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.26	0.27	-0.05
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-1.23	-1.68	-2.87
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-1.23	-1.68	-2.87
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.07	-0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.07	-0.01
Charlotte, NC	CO	Maintenance	100	-	0.16	0.17	-0.03
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.37	0.38	-0.07
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.12	0.13	-0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.11	0.11	-0.02
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-21.07	-28.81	-50.12
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-21.01	-28.76	-50.13
Chico, CA	CO	Maintenance	100	-	0.02	0.02	-0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.01
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.44	0.46	-0.08

Appendix B

**Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.43	0.44	-0.08
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.33	0.34	-0.06
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.06	0.06	-0.01
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.01
Cleveland, OH	CO	Maintenance	100	-	0.22	0.22	-0.04
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.59	0.60	-0.11
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.54	0.56	-0.10
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.14	0.14	-0.03
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.13	0.13	-0.02
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.15	0.15	-0.03
Columbus, OH	Ozone	Maintenance	100	-	0.37	0.38	-0.07
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.34	0.35	-0.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.22	-0.04
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.18	-0.03
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.53	1.57	-0.29
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.19	0.20	-0.04
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.17	-0.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-9.26	-12.65	-21.94
Denver-Boulder, CO	CO	Maintenance	100	-	-9.29	-12.68	-21.94
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-9.12	-12.51	-21.97
Detroit, MI	CO	Maintenance	100	-	-7.32	-9.95	-16.98
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-8.96	-12.37	-22.21
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-8.98	-12.39	-22.20

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-17.87	-24.03	-39.42
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-5.31	-7.18	-11.95
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.05	0.05	-0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.05	0.05	-0.01
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.06	-0.01
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.12	0.12	-0.02
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.04	0.04	-0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.08	0.08	-0.02
Franklin County, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	0.09	0.09	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.13	0.13	-0.03
Grand Rapids, MI	Ozone	Maintenance	100	-	0.18	0.19	-0.03
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.37	0.38	-0.07
Greeley, CO	CO	Maintenance	100	-	0.03	0.03	-0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.01
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.37	0.38	-0.07
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.18	0.19	-0.03
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.21	0.21	-0.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.03	-0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.19	0.20	-0.04
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.18	-0.03
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.24	0.25	-0.05
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-73.05	-98.56	-163.68
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-9.74	-13.10	-21.58
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-9.77	-13.14	-21.57
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Imperial County, CA	Ozone	Moderate	50	-	0.05	0.05	-0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.05	0.05	-0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.45	0.46	-0.08
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.35	0.36	-0.07
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.01
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.03	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.01
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.11	0.12	-0.02
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.37	0.38	-0.07
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.26	0.27	-0.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.20	0.21	-0.04
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.07	-0.01
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.10	0.10	-0.02
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.10	-0.02
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.11	0.11	-0.02
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.00
Las Vegas, NV	CO	Serious	100	-	0.33	0.34	-0.06
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.33	0.34	-0.06
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-12.42	-16.70	-27.38
Longmont, CO	CO	Maintenance	100	-	0.02	0.02	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-31.88	-43.91	-78.22
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-31.88	-43.91	-78.22
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-31.88	-43.91	-78.22
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-31.88	-43.91	-78.22
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-31.88	-43.91	-78.22
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.15	0.16	-0.03
Louisville, KY-IN	Ozone	Maintenance	100	-	0.26	0.26	-0.05
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.25	0.26	-0.05
Lowell, MA	CO	Maintenance	100	-	0.03	0.03	-0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.07	-0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Macon, GA	Ozone	Maintenance	100	-	0.05	0.05	-0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.05	0.06	-0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.07	-0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.07	-0.01
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Medford, OR	CO	Maintenance	100	-	0.02	0.02	-0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.61	-4.92	-8.49
Memphis, TN	CO	Maintenance	100	-	-3.63	-4.94	-8.48
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.12	0.12	-0.02
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.40	0.41	-0.08
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.64	0.66	-0.12
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.63	0.64	-0.12
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Modesto, CA	CO	Maintenance	100	-	0.07	0.07	-0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.36	0.37	-0.07
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.18	0.18	-0.03
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.11	-0.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.23	-3.56	-9.15
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.16	-3.97	-12.78
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.19	-4.00	-12.77
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-13.52	-18.28	-30.58
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.02	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-1.47	-1.98	-3.27
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.09	-0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-20.50	-27.86	-47.49
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-20.09	-27.46	-47.71
Phoenix, AZ	CO	Maintenance	100	-	0.98	1.00	-0.21
Phoenix, AZ	PM ₁₀	Serious	70	-	1.01	1.04	-0.21
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.01	1.04	-0.22
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.01	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.45	0.46	-0.10
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.41	0.42	-0.09
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.13	0.13	-0.03

Appendix B

Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.18	0.16	-0.23
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.30	0.31	-0.06
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.22	0.23	-0.04
Provo, UT	CO	Maintenance	100	-	0.04	0.04	-0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	0.29	0.30	-0.05
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.39	0.40	-0.07
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.08	-0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-0.01
Reno, NV	CO	Maintenance	100	-	0.06	0.06	-0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.26	0.26	-0.10
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.14	0.14	-0.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.01
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.30	0.31	-0.06
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	0.04	-0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.32	0.33	-0.06
Sacramento Metro, CA	Ozone	Severe	25	-	0.57	0.59	-0.11
Sacramento, CA	CO	Maintenance	100	-	0.36	0.37	-0.07
Salem, OR	CO	Maintenance	100	-	0.03	0.03	-0.01
Salt Lake City, UT	CO	Maintenance	100	-	-3.42	-4.61	-7.64

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Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.24	-4.42	-7.67
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.23	0.24	-0.04
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.41	0.43	-0.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.09	0.10	-0.02
San Diego, CA	CO	Maintenance	100	-	0.90	0.93	-0.17
San Diego, CA	Ozone	Former Subpart 1	50	-	0.90	0.93	-0.17
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-27.25	-37.06	-63.31
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-27.06	-36.87	-63.35
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.72	0.66	-0.76
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.73	0.67	-0.76
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.72	0.66	-0.76
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.15	0.16	-0.03
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.66	0.68	-0.13
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.03	-0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.01	-0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.10	0.11	-0.02
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.03
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.01
Spokane, WA	CO	Maintenance	100	-	0.07	0.07	-0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.20	0.21	-0.04
Springfield, MA	CO	Maintenance	100	-	0.03	0.03	-0.01
St. Louis, MO	CO	Maintenance	100	-	0.22	0.22	-0.04
St. Louis, MO-IL	Ozone	Moderate	50	-	-55.06	-74.21	-122.73
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-55.07	-74.21	-122.73

Appendix B

Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.04	0.04	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.11	-0.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.11	-0.22
Stockton, CA	CO	Maintenance	100	-	0.10	0.10	-0.02
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.12	-0.02
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.01
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.00
Toledo, OH	Ozone	Maintenance	100	-	-12.84	-17.29	-28.53
Toms River, NJ	CO	Maintenance	100	-	0.02	0.02	-0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.02	0.02	-0.00
Trenton, NJ	CO	Maintenance	100	-	0.02	0.02	-0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.22	0.23	-0.04
Utah County, UT	PM ₁₀	Moderate	100	-	0.11	0.11	-0.02
Vancouver, WA	CO	Maintenance	100	-	0.07	0.07	-0.01
Ventura County, CA	Ozone	Serious	50	-	0.17	0.16	-0.07
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	0.35	0.36	-0.07

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**Table B.1-229
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.20	1.23	-0.23
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.17	1.20	-0.22
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.06	-0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.87	-7.90	-12.96
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	-0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.01
Winston-Salem, NC	CO	Maintenance	100	-	0.09	0.09	-0.02
Worcester, MA	CO	Maintenance	100	-	0.05	0.05	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.00
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
York, PA	Ozone	Maintenance	100	-	0.10	0.10	-0.02
York, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.15	-0.03
Yuma, AZ	PM ₁₀	Moderate	100	-	0.04	0.04	-0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.63	0.66	-2.12
Albuquerque, NM	CO	Maintenance	100	-	0.29	0.30	-0.98
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.24
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.29	0.31	-0.98
Altoona, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.17
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.28
Anchorage, AK	CO	Maintenance	100	-	0.07	0.07	-0.24
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	3.28	3.46	-11.13
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	3.28	3.47	-11.13
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.03	-0.09
Bakersfield, CA	CO	Maintenance	100	-	-0.31	-0.56	-1.82
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	-0.02
Baltimore, MD	Ozone	Moderate	50	-	1.47	1.55	-4.97
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.47	1.55	-4.97
Baton Rouge, LA	Ozone	Moderate	50	-	-30.66	-46.34	-65.30
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-98.59	-148.58	-204.86
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.09	0.09	-0.30
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.07	0.08	-0.24
Billings, MT	CO	Maintenance	100	-	-16.38	-24.69	-34.06
Birmingham, AL	Ozone	Maintenance	100	-	-0.97	-1.68	-4.71

Appendix B

Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.97	-1.68	-4.72
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.16	0.17	-0.54
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.16	0.17	-0.54
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Boston, MA	CO	Maintenance	100	-	0.42	0.44	-1.42
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.50	2.64	-8.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.32	0.34	-1.08
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.57	0.60	-1.91
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.49	-3.82	-5.94
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.49	-3.82	-5.94
Case County, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.07
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.14	0.14	-0.46
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.14	0.14	-0.46
Charlotte, NC	CO	Maintenance	100	-	0.36	0.38	-1.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.81	0.85	-2.74
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.26	0.28	-0.91
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.24	0.25	-0.83
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-42.51	-65.59	-106.76
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-42.39	-65.47	-107.16
Chico, CA	CO	Maintenance	100	-	0.05	0.06	-0.18
Chico, CA	Ozone	Former Subpart 1	50	-	0.12	0.13	-0.42
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.97	1.02	-3.27

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.94	0.99	-3.18
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.74	0.78	-2.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.13	0.13	-0.43
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.09	0.09	-0.30
Cleveland, OH	CO	Maintenance	100	-	0.46	0.48	-1.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.26	1.33	-4.27
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.16	1.23	-3.94
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.31	0.33	-1.06
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.03	-0.10
Colorado Springs, CO	CO	Maintenance	100	-	0.29	0.31	-0.98
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.32	0.34	-1.08
Columbus, OH	Ozone	Maintenance	100	-	0.82	0.87	-2.79
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.76	0.81	-2.59
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.46	0.48	-1.55
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.37	0.40	-1.27
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.42	3.61	-11.59
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.41	0.43	-1.39
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.36	0.38	-1.23
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-18.67	-28.78	-46.57
Denver-Boulder, CO	CO	Maintenance	100	-	-18.73	-28.84	-46.36
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-18.37	-28.46	-47.59
Detroit, MI	CO	Maintenance	100	-	-14.78	-22.61	-34.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-18.04	-28.19	-49.66
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-18.08	-28.24	-49.52

Appendix B

**Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.06
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Duluth, MN	CO	Maintenance	100	-	0.04	0.04	-0.14
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.26	-54.66	-75.51
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.77	-16.33	-23.56
El Paso, TX	CO	Maintenance	100	-	0.02	0.02	-0.05
Erie, PA	Ozone	Maintenance	100	-	0.11	0.12	-0.38
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.11	0.12	-0.38
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.11	0.11	-0.37
Evansville, IN	Ozone	Maintenance	100	-	0.12	0.13	-0.42
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.16	0.17	-0.54
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.03
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.14	0.15	-0.49
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.25	0.27	-0.86
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.09	0.09	-0.29
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.18	0.19	-0.61
Franklin County, PA	Ozone	Maintenance	100	-	0.07	0.08	-0.25
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.06	0.07	-0.22
Fredericksburg, VA	Ozone	Maintenance	100	-	0.20	0.21	-0.69

Appendix B

Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Fresno, CA	CO	Maintenance	100	-	0.29	0.30	-0.98
Grand Rapids, MI	Ozone	Maintenance	100	-	0.40	0.42	-1.35
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.05
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	-0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.81	0.85	-2.73
Greeley, CO	CO	Maintenance	100	-	0.06	0.06	-0.20
Green Bay, WI	SO _x	Maintenance	100	-	0.06	0.06	-0.20
Greene County, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.08
Greene County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.79	0.84	-2.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.39	0.41	-1.33
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.44	0.46	-1.49
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.06	0.06	-0.19
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.42	0.44	-1.42
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.39	0.41	-1.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.52	0.55	-1.77
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	-0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.09	0.09	-0.30
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.14	0.15	-0.49
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-148.06	-224.25	-321.10
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-19.75	-29.82	-41.64
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-19.82	-29.89	-41.41
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Imperial County, CA	Ozone	Moderate	50	-	0.11	0.11	-0.36
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.11	-0.36
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.06
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.98	1.04	-3.33
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.78	0.82	-2.64
Jackson County, IN	Ozone	Maintenance	100	-	0.04	0.04	-0.13
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.08	0.08	-0.26
Jefferson County, NY	Ozone	Moderate	50	-	0.06	0.06	-0.21
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.11	0.11	-0.36
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.17
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.18
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.25	0.26	-0.84
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	-0.05
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.82	0.86	-2.77
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.07	0.07	-0.24
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.14
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.02	0.03	-0.08

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.02	0.03	-0.08
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.58	0.61	-1.97
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.45	0.48	-1.53
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Lake County, IN	SO _x	Maintenance	100	-	0.15	0.16	-0.50
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.02	-0.05
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.03	-0.10
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.22	0.23	-0.75
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.22	0.23	-0.75
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.23	0.25	-0.79
LaPorte, IN	Ozone	Maintenance	100	-	0.05	0.05	-0.16
Las Vegas, NV	CO	Serious	100	-	0.74	0.78	-2.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.75	0.79	-2.53
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.05	-0.15
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.02
Lima, OH	Ozone	Maintenance	100	-	-25.21	-38.00	-52.41
Longmont, CO	CO	Maintenance	100	-	0.04	0.05	-0.15
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.08

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-64.10	-99.92	-173.33
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-64.10	-99.92	-173.33
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-64.10	-99.92	-173.33
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-64.10	-99.92	-173.33
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-64.10	-99.92	-173.32
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.34	0.36	-1.15
Louisville, KY-IN	Ozone	Maintenance	100	-	0.55	0.58	-1.87
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.53	0.56	-1.81
Lowell, MA	CO	Maintenance	100	-	0.06	0.06	-0.19
Lucas County, OH	SO _x	Maintenance	100	-	0.15	0.15	-0.50
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.12
Macon, GA	Ozone	Maintenance	100	-	0.10	0.11	-0.35
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.34
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.12	0.13	-0.41
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Manchester, NH	CO	Maintenance	100	-	0.04	0.04	-0.13
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.17
Marion County, IN	SO _x	Maintenance	100	-	0.15	0.16	-0.52
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.19
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.16	0.16	-0.53
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Medford, OR	CO	Maintenance	100	-	0.04	0.04	-0.13
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.09	0.10	-0.31
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.30	-11.22	-17.76
Memphis, TN	CO	Maintenance	100	-	-7.34	-11.26	-17.63
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	-0.05

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Table B.1-230							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Particulate Matter 2.5 (PM_{2.5}) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.26	0.27	-0.88
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.87	0.92	-2.95
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.41	1.49	-4.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	1.37	1.45	-4.65
Missoula, MT	CO	Maintenance	100	-	0.03	0.03	-0.10
Missoula, MT	PM ₁₀	Moderate	100	-	0.03	0.03	-0.10
Modesto, CA	CO	Maintenance	100	-	0.15	0.16	-0.51
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.17
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Morristown, NJ	CO	Maintenance	100	-	0.02	0.02	-0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Muncie, IN	Ozone	Maintenance	100	-	0.06	0.06	-0.19
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.06	0.07	-0.21
Nashua, NH	CO	Maintenance	100	-	0.03	0.03	-0.10
Nashville, TN	Ozone	Former Subpart 1	50	-	0.80	0.85	-2.72
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.23
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.23
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.38	0.41	-1.30
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.22	0.24	-0.76
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-4.30	-8.21	-29.79
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.93	-9.20	-47.81
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.99	-9.26	-47.60
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.07

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-27.39	-41.60	-60.81
Ogden, UT	CO	Maintenance	100	-	0.03	0.04	-0.12
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.04	-0.12
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.18
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.07	0.07	-0.24
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.24
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.05	-0.17
Perth Amboy, NJ	CO	Maintenance	100	-	-2.98	-4.50	-6.36
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.19	0.20	-0.65
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-41.48	-63.45	-97.58
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-40.58	-62.55	-101.29
Phoenix, AZ	CO	Maintenance	100	-	2.29	2.41	-7.86
Phoenix, AZ	PM ₁₀	Serious	70	-	2.36	2.48	-8.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	2.37	2.49	-8.13
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.04
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.97	1.02	-3.34
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.88	0.93	-3.06
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.27	0.29	-0.93

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Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.41	0.35	-2.26
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.07
Poughkeepsie, NY	Ozone	Moderate	50	-	0.67	0.71	-2.27
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.48	0.51	-1.63
Provo, UT	CO	Maintenance	100	-	0.08	0.08	-0.27
Raleigh-Durham, NC	CO	Maintenance	100	-	0.64	0.67	-2.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.87	0.92	-2.95
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.16	0.17	-0.55
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.16	0.17	-0.55
Reno, NV	CO	Maintenance	100	-	0.12	0.13	-0.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.56	0.57	-2.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.03	-0.08
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.31	0.33	-1.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.13	0.14	-0.43
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.04	0.04	-0.13
Rochester, NY	Ozone	Former Subpart 1	50	-	0.65	0.69	-2.22
Rocky Mount, NC	Ozone	Maintenance	100	-	0.09	0.10	-0.31
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.06	-0.20
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.73	0.77	-2.48
Sacramento Metro, CA	Ozone	Severe	25	-	1.32	1.39	-4.47
Sacramento, CA	CO	Maintenance	100	-	0.82	0.86	-2.77
Salem, OR	CO	Maintenance	100	-	0.06	0.07	-0.22
Salt Lake City, UT	CO	Maintenance	100	-	-6.93	-10.49	-14.90

Appendix B

Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.53	-10.07	-16.26
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.50	0.53	-1.71
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.91	0.96	-3.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.21	0.22	-0.71
San Diego, CA	CO	Maintenance	100	-	2.04	2.15	-6.90
San Diego, CA	Ozone	Former Subpart 1	50	-	2.04	2.15	-6.91
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-55.04	-84.31	-130.88
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-54.62	-83.87	-132.29
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.70	1.56	-8.64
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.71	1.57	-8.67
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.70	1.56	-8.64
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.33	0.35	-1.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.46	1.54	-4.96
Sheboygan, WI	Ozone	Moderate	50	-	0.06	0.06	-0.20
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.22	0.23	-0.75
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.06	0.06	-0.33
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.15	0.15	-0.49
Spokane, WA	CO	Maintenance	100	-	0.14	0.15	-0.49
Springfield (western MA), MA	Ozone	Moderate	50	-	0.44	0.46	-1.48
Springfield, MA	CO	Maintenance	100	-	0.07	0.07	-0.24
St. Louis, MO	CO	Maintenance	100	-	0.45	0.47	-1.52
St. Louis, MO-IL	Ozone	Moderate	50	-	-111.68	-168.87	-238.77
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-111.69	-168.88	-238.73

Appendix B

Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.08	0.09	-0.28
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.15	-0.25	-0.57
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.15	-0.25	-0.57
Stockton, CA	CO	Maintenance	100	-	0.23	0.24	-0.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.25	0.27	-0.85
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.06	0.07	-0.22
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.09
Toledo, OH	Ozone	Maintenance	100	-	-26.04	-39.34	-55.29
Toms River, NJ	CO	Maintenance	100	-	0.05	0.05	-0.16
Tooele County, UT	SO _x	Nonattainment	100	-	0.05	0.05	-0.17
Trenton, NJ	CO	Maintenance	100	-	0.04	0.05	-0.15
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Tucson, AZ	CO	Maintenance	100	-	0.49	0.51	-1.65
Utah County, UT	PM ₁₀	Moderate	100	-	0.24	0.25	-0.80
Vancouver, WA	CO	Maintenance	100	-	0.15	0.16	-0.52
Ventura County, CA	Ozone	Serious	50	-	0.38	0.38	-1.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.06	0.07	-0.22
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.03	-0.09
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.06
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.10	0.11	-0.35
Washington, DC-MD-VA	CO	Maintenance	100	-	0.77	0.81	-2.60

Appendix B

Table B.1-230
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.64	2.79	-8.96
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.59	2.73	-8.77
Washoe County, NV	PM ₁₀	Serious	70	-	0.12	0.13	-0.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.04	-0.12
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.93	-17.99	-24.86
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.07	0.08	-0.25
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.25
Winston-Salem, NC	CO	Maintenance	100	-	0.20	0.21	-0.68
Worcester, MA	CO	Maintenance	100	-	0.11	0.11	-0.36
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.15
Yakima, WA	CO	Maintenance	100	-	0.02	0.02	-0.06
York, PA	Ozone	Maintenance	100	-	0.22	0.23	-0.74
York, PA	PM _{2.5}	Nonattainment	100	-	0.17	0.18	-0.57
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.31	0.33	-1.06
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.10	-0.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	2.54	2.49	-15.72
Albuquerque, NM	CO	Maintenance	100	-	1.16	1.13	-7.15
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.31	0.30	-1.90
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	1.17	1.15	-7.25
Altoona, PA	Ozone	Maintenance	100	-	0.18	0.18	-1.16
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.40	0.39	-2.47
Anchorage, AK	CO	Maintenance	100	-	0.30	0.29	-1.86
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	-0.09
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Atlanta, GA	Ozone	Moderate	50	-	13.90	13.58	-85.92
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	13.90	13.59	-85.96
Atlantic City, NJ	CO	Maintenance	100	-	0.10	0.10	-0.61
Bakersfield, CA	CO	Maintenance	100	-	-0.59	-1.30	-8.25
Baltimore, MD	CO	Maintenance	100	-	0.02	0.02	-0.12
Baltimore, MD	Ozone	Moderate	50	-	6.08	5.95	-37.61
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	6.08	5.95	-37.61
Baton Rouge, LA	Ozone	Moderate	50	-	-88.87	-129.57	-157.31
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-286.81	-416.37	-477.84
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.32	0.32	-2.00
Benzie County, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.31
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.30	0.29	-1.85
Billings, MT	CO	Maintenance	100	-	-47.65	-69.18	-79.53
Birmingham, AL	Ozone	Maintenance	100	-	-2.33	-4.29	-18.97

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.32	-4.29	-19.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.67	0.66	-4.15
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.67	0.66	-4.15
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.04	0.04	-0.23
Boston, MA	CO	Maintenance	100	-	1.66	1.62	-10.24
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	10.13	9.90	-62.62
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.32	1.30	-8.19
Boyd County (part), KY	SO _x	Maintenance	100	-	0.02	0.02	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	2.22	2.17	-13.72
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.08
Butte, MT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.23
Canon City, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.26
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.12	-10.60	-16.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.12	-10.60	-16.04
Case County, MI	Ozone	Maintenance	100	-	0.08	0.08	-0.52
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Charleston, WV	Ozone	Maintenance	100	-	0.50	0.49	-3.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.50	0.49	-3.10
Charlotte, NC	CO	Maintenance	100	-	1.54	1.50	-9.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	3.40	3.32	-21.01
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	1.04	1.02	-6.50
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.96	0.93	-5.98
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-119.55	-180.16	-308.47
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-119.07	-179.68	-311.46
Chico, CA	CO	Maintenance	100	-	0.26	0.25	-1.59
Chico, CA	Ozone	Former Subpart 1	50	-	0.57	0.55	-3.49
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	3.90	3.82	-24.14

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	3.78	3.70	-23.39
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.15
Clark County, NV	PM ₁₀	Serious	70	-	3.30	3.22	-20.38
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.53	0.52	-3.31
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.35	0.34	-2.14
Cleveland, OH	CO	Maintenance	100	-	1.67	1.64	-10.34
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	4.92	4.81	-30.41
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	4.52	4.42	-27.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.46	1.43	-9.06
Colbert County, AL	SO _x	Maintenance	100	-	0.11	0.10	-0.66
Colorado Springs, CO	CO	Maintenance	100	-	1.26	1.23	-7.76
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	1.29	1.26	-7.96
Columbus, OH	Ozone	Maintenance	100	-	3.51	3.43	-21.71
Columbus, OH	PM _{2.5}	Nonattainment	100	-	3.27	3.19	-20.19
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	1.67	1.64	-10.34
Cuyahoga County, OH	SO _x	Maintenance	100	-	1.39	1.36	-8.60
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	14.85	14.51	-91.78
Dayton-Springfield, OH	Ozone	Maintenance	100	-	1.57	1.53	-9.69
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	1.38	1.35	-8.54
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-52.33	-78.87	-135.21
Denver-Boulder, CO	CO	Maintenance	100	-	-52.60	-79.14	-133.51
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-51.03	-77.60	-143.21
Detroit, MI	CO	Maintenance	100	-	-41.76	-61.91	-90.97
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-50.03	-76.86	-153.44
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-50.20	-77.03	-152.39

Appendix B

**Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.08	0.07	-0.47
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.07	0.07	-0.42
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.05	0.05	-0.34
Duluth, MN	CO	Maintenance	100	-	0.15	0.15	-0.93
Eagle River, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.12
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-105.46	-153.15	-176.57
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-31.05	-45.51	-58.82
El Paso, TX	CO	Maintenance	100	-	0.06	0.06	-0.38
Erie, PA	Ozone	Maintenance	100	-	0.43	0.42	-2.65
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.47	0.46	-2.88
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.45	0.44	-2.76
Evansville, IN	Ozone	Maintenance	100	-	0.49	0.48	-3.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.63	0.61	-3.87
Fairbanks, AK	CO	Maintenance	100	-	0.04	0.04	-0.23
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.58	0.57	-3.59
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.10
Flint, MI	Ozone	Maintenance	100	-	0.99	0.97	-6.14
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.38	0.37	-2.35
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.72	0.70	-4.45
Franklin County, PA	Ozone	Maintenance	100	-	0.31	0.30	-1.90
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.26	0.25	-1.60
Fredericksburg, VA	Ozone	Maintenance	100	-	0.90	0.88	-5.58

Appendix B

Table B.1-231							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.04	0.04	-0.24
Fresno, CA	CO	Maintenance	100	-	1.24	1.21	-7.70
Grand Rapids, MI	Ozone	Maintenance	100	-	1.67	1.63	-10.30
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.46
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.07	0.07	-0.44
Great Falls, MT	CO	Maintenance	100	-	0.03	0.03	-0.21
Greater Connecticut, CT	Ozone	Moderate	50	-	3.15	3.08	-19.46
Greeley, CO	CO	Maintenance	100	-	0.26	0.25	-1.58
Green Bay, WI	SO _x	Maintenance	100	-	0.25	0.24	-1.52
Greene County, IN	Ozone	Maintenance	100	-	0.10	0.09	-0.59
Greene County, PA	Ozone	Maintenance	100	-	0.09	0.08	-0.53
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	3.15	3.08	-19.48
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.54	1.51	-9.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	1.70	1.66	-10.52
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.04	0.04	-0.27
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.23	0.22	-1.41
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.75	1.71	-10.79
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.61	1.57	-9.95
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	2.01	1.97	-12.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.02	-0.13
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.09	0.08	-0.53
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Hazelwood, PA	SO _x	Maintenance	100	-	0.08	0.07	-0.48
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.33	0.32	-2.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.56	0.54	-3.45
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.03

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-427.54	-625.57	-793.37
Humphreys County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-57.37	-83.48	-98.81
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-57.63	-83.74	-97.14
Huron County, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.33
Imperial County, CA	Ozone	Moderate	50	-	0.48	0.47	-2.95
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.47	0.46	-2.89
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.06	0.06	-0.39
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	4.07	3.98	-25.18
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	3.24	3.16	-20.01
Jackson County, IN	Ozone	Maintenance	100	-	0.15	0.15	-0.94
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.30	0.29	-1.84
Jefferson County, NY	Ozone	Moderate	50	-	0.24	0.23	-1.48
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.41	0.40	-2.53
Johnstown, PA	Ozone	Maintenance	100	-	0.17	0.17	-1.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.19	0.18	-1.16
Juneau, AK	PM ₁₀	Moderate	100	-	0.02	0.02	-0.15
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.97	0.95	-6.00
Kalispell, MT	PM ₁₀	Moderate	100	-	0.06	0.06	-0.39
Kansas City, MO-KS	Ozone	Maintenance	100	-	3.40	3.32	-21.01
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.29	0.29	-1.82
Kent, WA	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.33
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.16	0.16	-0.99
Kewaunee County, WI	Ozone	Maintenance	100	-	0.05	0.05	-0.29
King County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.13
Klamath Falls, OR	CO	Maintenance	100	-	0.09	0.09	-0.58

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**Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.09	0.09	-0.58
Knoxville, TN	Ozone	Former Subpart 1	50	-	2.50	2.44	-15.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	1.91	1.86	-11.79
La Porte County, IN	SO _x	Maintenance	100	-	0.06	0.06	-0.39
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.18
Lake County, IN	SO _x	Maintenance	100	-	0.56	0.55	-3.49
Lake County, OH	SO _x	Maintenance	100	-	0.07	0.07	-0.42
Lake County, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.07	0.07	-0.44
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.16	0.15	-0.97
Lake Tahoe, NV	CO	Maintenance	100	-	0.04	0.04	-0.24
Lamar, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.90	0.88	-5.57
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.90	0.88	-5.57
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.93	0.91	-5.78
LaPorte, IN	Ozone	Maintenance	100	-	0.18	0.17	-1.09
Las Vegas, NV	CO	Serious	100	-	3.30	3.22	-20.38
Las Vegas, NV	Ozone	Former Subpart 1	50	-	3.34	3.26	-20.63
Lauderdale County, AL	SO _x	Maintenance	100	-	0.16	0.16	-1.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.05
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.07
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.15
Lima, OH	Ozone	Maintenance	100	-	-73.34	-106.48	-122.29
Longmont, CO	CO	Maintenance	100	-	0.20	0.19	-1.22
Lorain County, OH	SO _x	Maintenance	100	-	0.09	0.09	-0.56

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Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-176.72	-271.30	-538.58
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-176.72	-271.30	-538.58
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-176.72	-271.30	-538.58
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-176.72	-271.30	-538.58
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-176.72	-271.30	-538.57
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.45	1.42	-8.95
Louisville, KY-IN	Ozone	Maintenance	100	-	2.16	2.12	-13.38
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	2.07	2.03	-12.83
Lowell, MA	CO	Maintenance	100	-	0.23	0.23	-1.44
Lucas County, OH	SO _x	Maintenance	100	-	0.55	0.54	-3.40
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.09	0.08	-0.75
Macon, GA	Ozone	Maintenance	100	-	0.38	0.37	-2.35
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.38	0.37	-2.33
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Madison, WI	SO _x	Maintenance	100	-	0.53	0.52	-3.26
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.15
Manchester, NH	CO	Maintenance	100	-	0.14	0.14	-0.87
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.19	0.19	-1.18
Marion County, IN	SO _x	Maintenance	100	-	0.58	0.57	-3.60
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.26	0.25	-1.59
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.63	0.61	-3.88
Mason County, MI	Ozone	Maintenance	100	-	0.05	0.05	-0.32
Medford, OR	CO	Maintenance	100	-	0.17	0.17	-1.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.41	0.40	-2.53
Memphis, TN-AR	Ozone	Maintenance	100	-	-20.82	-31.08	-48.81
Memphis, TN	CO	Maintenance	100	-	-20.96	-31.22	-47.94
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.06	0.06	-0.39

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Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	0.99	0.97	-6.12
Milwaukee-Racine, WI	Ozone	Moderate	50	-	3.54	3.46	-21.86
Minneapolis-St Paul, MN	CO	Maintenance	100	-	5.85	5.72	-36.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	5.68	5.55	-35.12
Missoula, MT	CO	Maintenance	100	-	0.12	0.12	-0.77
Missoula, MT	PM ₁₀	Moderate	100	-	0.12	0.12	-0.74
Modesto, CA	CO	Maintenance	100	-	0.69	0.68	-4.27
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.23	0.23	-1.45
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Morristown, NJ	CO	Maintenance	100	-	0.07	0.07	-0.44
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.05	0.05	-0.33
Muncie, IN	Ozone	Maintenance	100	-	0.20	0.20	-1.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.03	0.03	-0.19
Muskegon, MI	Ozone	Maintenance	100	-	0.26	0.25	-1.58
Nashua, NH	CO	Maintenance	100	-	0.11	0.11	-0.70
Nashville, TN	Ozone	Former Subpart 1	50	-	3.36	3.29	-20.79
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.34	0.33	-2.11
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.30	0.29	-1.83
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.49	1.46	-9.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.01	0.01	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	0.83	0.81	-5.15
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-8.60	-19.61	-132.11
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-3.52	-18.87	-233.54
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-3.78	-19.12	-231.94
Nogales, AZ	PM ₁₀	Moderate	100	-	0.08	0.08	-0.51

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**Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-78.91	-115.90	-153.78
Ogden, UT	CO	Maintenance	100	-	0.13	0.13	-0.83
Ogden, UT	PM ₁₀	Moderate	100	-	0.13	0.13	-0.83
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.24
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.23	0.22	-1.41
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.27	0.27	-1.69
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.27	0.27	-1.70
Payson, AZ	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.25
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.18	0.17	-1.16
Perth Amboy, NJ	CO	Maintenance	100	-	-8.61	-12.57	-15.53
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.70	0.69	-4.35
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-118.50	-175.93	-261.99
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-114.75	-172.43	-287.86
Phoenix, AZ	CO	Maintenance	100	-	11.11	10.83	-69.11
Phoenix, AZ	PM ₁₀	Serious	70	-	11.41	11.13	-71.00
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	11.44	11.16	-71.20
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.05	0.05	-0.32
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	3.75	3.66	-23.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	3.43	3.33	-21.42
Polk County, TN	SO _x	Maintenance	100	-	0.04	0.04	-0.25
Polson, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Portland, ME	Ozone	Maintenance	100	-	1.10	1.07	-6.84

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Table B.1-231							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Particulate Matter 2.5 (PM_{2.5}) 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.78	1.52	-14.71
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.08	0.08	-0.51
Poughkeepsie, NY	Ozone	Moderate	50	-	2.93	2.86	-18.10
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
Providence (entire State), RI	Ozone	Moderate	50	-	1.98	1.93	-12.23
Provo, UT	CO	Maintenance	100	-	0.35	0.34	-2.16
Raleigh-Durham, NC	CO	Maintenance	100	-	2.75	2.69	-16.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	3.73	3.65	-23.08
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.65	0.63	-3.99
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.65	0.63	-3.99
Reno, NV	CO	Maintenance	100	-	0.48	0.47	-2.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	2.27	2.16	-15.01
Rillito, AZ	PM ₁₀	Moderate	100	-	0.11	0.11	-0.67
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.46	1.43	-9.06
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.50	0.49	-3.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.16	0.16	-1.01
Rochester, NY	Ozone	Former Subpart 1	50	-	2.60	2.54	-16.08
Rocky Mount, NC	Ozone	Maintenance	100	-	0.35	0.34	-2.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.23	0.23	-1.43
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	3.35	3.27	-20.69
Sacramento Metro, CA	Ozone	Severe	25	-	6.14	6.00	-37.94
Sacramento, CA	CO	Maintenance	100	-	3.76	3.68	-23.25
Salem, OR	CO	Maintenance	100	-	0.25	0.25	-1.55
Salt Lake City, UT	CO	Maintenance	100	-	-20.05	-29.29	-36.38

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-18.41	-27.68	-46.56
Salt Lake County, UT	SO _x	Nonattainment	100	-	2.08	2.03	-12.85
San Antonio, TX	Ozone	Former Subpart 1	50	-	3.80	3.72	-23.52
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.90	0.88	-5.56
San Diego, CA	CO	Maintenance	100	-	9.09	8.89	-56.23
San Diego, CA	Ozone	Former Subpart 1	50	-	9.11	8.91	-56.34
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-155.88	-232.47	-361.86
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-154.17	-230.79	-372.46
San Joaquin Valley, CA	Ozone	Extreme	10	-	8.55	7.63	-64.83
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	8.58	7.66	-65.02
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	8.55	7.63	-64.83
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.07	0.07	-0.45
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	1.30	1.27	-8.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	6.16	6.02	-38.07
Sheboygan, WI	Ozone	Moderate	50	-	0.24	0.23	-1.48
Sheridan, WY	PM ₁₀	Moderate	100	-	0.04	0.04	-0.26
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.04	0.03	-0.22
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.88	0.86	-5.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.23	0.20	-1.89
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.61	0.60	-3.77
Spokane, WA	CO	Maintenance	100	-	0.60	0.59	-3.72
Springfield (western MA), MA	Ozone	Moderate	50	-	1.74	1.70	-10.73
Springfield, MA	CO	Maintenance	100	-	0.29	0.28	-1.79
St. Louis, MO	CO	Maintenance	100	-	1.60	1.56	-9.88
St. Louis, MO-IL	Ozone	Moderate	50	-	-323.75	-472.23	-576.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-323.79	-472.27	-576.13

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.35	0.34	-2.18
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.26
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.08	0.07	-0.47
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.40	-0.66	-2.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.40	-0.66	-2.00
Stockton, CA	CO	Maintenance	100	-	1.04	1.02	-6.45
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.97	0.95	-5.99
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.23	0.23	-1.45
Tioga County, PA	Ozone	Maintenance	100	-	0.10	0.10	-0.64
Toledo, OH	Ozone	Maintenance	100	-	-75.54	-110.06	-132.38
Toms River, NJ	CO	Maintenance	100	-	0.21	0.21	-1.32
Tooele County, UT	SO _x	Nonattainment	100	-	0.20	0.20	-1.26
Trenton, NJ	CO	Maintenance	100	-	0.18	0.17	-1.08
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Tucson, AZ	CO	Maintenance	100	-	2.08	2.03	-12.87
Utah County, UT	PM ₁₀	Moderate	100	-	1.02	0.99	-6.28
Vancouver, WA	CO	Maintenance	100	-	0.68	0.66	-4.18
Ventura County, CA	Ozone	Serious	50	-	1.76	1.67	-11.62
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	0.23	0.23	-1.45
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.11	0.11	-0.67
Warren County, NJ	SO _x	Maintenance	100	-	0.07	0.07	-0.44
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.06	-0.25
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.41	0.40	-2.53
Washington, DC-MD-VA	CO	Maintenance	100	-	3.13	3.06	-19.34

Appendix B

Table B.1-231
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	11.20	10.94	-69.22
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	10.95	10.70	-67.68
Washoe County, NV	PM ₁₀	Serious	70	-	0.48	0.47	-2.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Wayne County, IN	SO _x	Maintenance	100	-	0.13	0.12	-0.78
Wayne County, MI	PM ₁₀	Maintenance	100	-	-34.87	-50.66	-58.68
Weirton, WV	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.10
Weirton, WV	SO _x	Maintenance	100	-	0.02	0.02	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.26	0.26	-1.63
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.26	0.26	-1.63
Winston-Salem, NC	CO	Maintenance	100	-	0.81	0.80	-5.03
Worcester, MA	CO	Maintenance	100	-	0.46	0.45	-2.82
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.19	0.18	-1.15
Yakima, WA	CO	Maintenance	100	-	0.08	0.08	-0.52
York, PA	Ozone	Maintenance	100	-	0.90	0.88	-5.58
York, PA	PM _{2.5}	Nonattainment	100	-	0.70	0.68	-4.33
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	1.16	1.13	-7.14
Yuma, AZ	PM ₁₀	Moderate	100	-	0.40	0.39	-2.46

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	7.21	7.12	-19.89
Albuquerque, NM	CO	Maintenance	100	-	3.24	3.20	-8.94
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.91	0.90	-2.52
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	3.31	3.27	-9.13
Altoona, PA	Ozone	Maintenance	100	-	0.49	0.48	-1.36
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.30	1.29	-3.60
Anchorage, AK	CO	Maintenance	100	-	0.88	0.87	-2.42
Anthony, NM	PM ₁₀	Moderate	100	-	0.04	0.04	-0.11
Armstrong County, PA	SO _x	Nonattainment	100	-	0.03	0.03	-0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.12
Atlanta, GA	Ozone	Moderate	50	-	40.79	40.33	-112.58
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	40.81	40.34	-112.62
Atlantic City, NJ	CO	Maintenance	100	-	0.27	0.26	-0.74
Bakersfield, CA	CO	Maintenance	100	-	-0.14	-0.83	-11.43
Baltimore, MD	CO	Maintenance	100	-	0.05	0.05	-0.14
Baltimore, MD	Ozone	Moderate	50	-	17.58	17.38	-48.52
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	17.58	17.38	-48.52
Baton Rouge, LA	Ozone	Moderate	50	-	-167.39	-206.39	-238.70
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-543.88	-667.95	-730.74
Benton County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.83	0.82	-2.30
Benzie County, MI	Ozone	Maintenance	100	-	0.16	0.16	-0.43
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.87	0.86	-2.40
Billings, MT	CO	Maintenance	100	-	-90.33	-110.95	-121.62
Birmingham, AL	Ozone	Maintenance	100	-	-2.81	-4.71	-25.33

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.79	-4.69	-25.39
Boise-Northern Ada County, ID	CO	Maintenance	100	-	1.96	1.94	-5.42
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	1.96	1.94	-5.42
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.11	0.11	-0.32
Boston, MA	CO	Maintenance	100	-	4.62	4.57	-12.75
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	28.66	28.33	-79.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	3.83	3.78	-10.56
Boyd County (part), KY	SO _x	Maintenance	100	-	0.05	0.05	-0.13
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	6.11	6.04	-16.86
Burlington, NJ	CO	Maintenance	100	-	0.03	0.03	-0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.09	0.09	-0.25
Canon City, CO	PM ₁₀	Maintenance	100	-	0.13	0.13	-0.36
Canton-Massillon, OH	Ozone	Maintenance	100	-	-13.09	-16.42	-23.46
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-13.09	-16.42	-23.46
Case County, MI	Ozone	Maintenance	100	-	0.23	0.23	-0.63
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.03	0.03	-0.07
Charleston, WV	Ozone	Maintenance	100	-	1.31	1.29	-3.61
Charleston, WV	PM _{2.5}	Nonattainment	100	-	1.31	1.29	-3.61
Charlotte, NC	CO	Maintenance	100	-	4.55	4.49	-12.54
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	9.93	9.82	-27.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	2.88	2.84	-8.00
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	2.66	2.63	-7.41
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-213.03	-271.22	-450.67
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-211.64	-269.86	-454.49
Chico, CA	CO	Maintenance	100	-	0.84	0.83	-2.32
Chico, CA	Ozone	Former Subpart 1	50	-	1.76	1.74	-4.87
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	11.03	10.91	-30.44

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	10.68	10.55	-29.46
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.06	0.05	-0.16
Clark County, NV	PM ₁₀	Serious	70	-	10.10	9.98	-27.86
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	1.56	1.54	-4.31
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.95	0.94	-2.63
Cleveland, OH	CO	Maintenance	100	-	4.29	4.24	-11.85
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	13.47	13.32	-37.18
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	12.32	12.18	-34.00
Coachella Valley, CA	PM ₁₀	Serious	70	-	4.62	4.57	-12.75
Colbert County, AL	SO _x	Maintenance	100	-	0.27	0.27	-0.75
Colorado Springs, CO	CO	Maintenance	100	-	3.76	3.71	-10.36
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.04	0.04	-0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	3.66	3.62	-10.09
Columbus, OH	Ozone	Maintenance	100	-	10.37	10.25	-28.61
Columbus, OH	PM _{2.5}	Nonattainment	100	-	9.65	9.54	-26.64
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.06
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	4.29	4.24	-11.85
Cuyahoga County, OH	SO _x	Maintenance	100	-	3.70	3.66	-10.21
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	44.46	43.95	-122.67
Dayton-Springfield, OH	Ozone	Maintenance	100	-	4.22	4.17	-11.64
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	3.70	3.66	-10.22
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-92.66	-118.15	-199.08
Denver-Boulder, CO	CO	Maintenance	100	-	-93.48	-118.96	-196.81
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-88.81	-114.34	-209.71
Detroit, MI	CO	Maintenance	100	-	-82.91	-103.35	-137.50
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-86.62	-112.39	-219.22
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-87.10	-112.86	-217.90

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.22	0.22	-0.61
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.18	0.18	-0.50
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.15	0.15	-0.42
Duluth, MN	CO	Maintenance	100	-	0.40	0.40	-1.10
Eagle River, AK	PM ₁₀	Moderate	100	-	0.06	0.06	-0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-199.90	-245.58	-269.79
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.01	0.01	-0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-57.99	-71.84	-88.61
El Paso, TX	CO	Maintenance	100	-	0.17	0.17	-0.46
Erie, PA	Ozone	Maintenance	100	-	1.16	1.15	-3.20
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	1.35	1.33	-3.72
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	1.30	1.28	-3.58
Evansville, IN	Ozone	Maintenance	100	-	1.36	1.35	-3.76
Evansville, IN	PM _{2.5}	Nonattainment	100	-	1.72	1.70	-4.75
Fairbanks, AK	CO	Maintenance	100	-	0.11	0.11	-0.30
Fayetteville, NC	Ozone	Former Subpart 1	50	-	1.63	1.61	-4.51
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.05	0.05	-0.13
Flint, MI	Ozone	Maintenance	100	-	2.72	2.69	-7.50
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	1.14	1.13	-3.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	2.03	2.00	-5.59
Franklin County, PA	Ozone	Maintenance	100	-	0.88	0.87	-2.43
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.73	0.72	-2.02
Fredericksburg, VA	Ozone	Maintenance	100	-	2.74	2.71	-7.57

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.13	0.13	-0.35
Fresno, CA	CO	Maintenance	100	-	3.67	3.62	-10.15
Grand Rapids, MI	Ozone	Maintenance	100	-	4.85	4.80	-13.39
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.19	0.19	-0.52
Grant County, NM	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.22	0.21	-0.60
Great Falls, MT	CO	Maintenance	100	-	0.08	0.08	-0.23
Greater Connecticut, CT	Ozone	Moderate	50	-	8.63	8.53	-23.82
Greeley, CO	CO	Maintenance	100	-	0.75	0.74	-2.06
Green Bay, WI	SO _x	Maintenance	100	-	0.70	0.69	-1.92
Greene County, IN	Ozone	Maintenance	100	-	0.27	0.26	-0.74
Greene County, PA	Ozone	Maintenance	100	-	0.23	0.23	-0.64
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	8.75	8.65	-24.15
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	4.25	4.20	-11.73
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	4.63	4.58	-12.77
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.12	0.12	-0.33
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.64	0.63	-1.77
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	5.06	5.00	-13.96
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	4.66	4.61	-12.86
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	5.44	5.38	-15.01
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.07	0.06	-0.18
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.26	0.26	-0.72
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.03	0.03	-0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.22	0.22	-0.62
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.89	0.88	-2.45
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	1.52	1.50	-4.19
Hollis Township, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.03

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-800.23	-990.00	-1,198.71
Humphreys County, TN	SO _x	Maintenance	100	-	0.02	0.02	-0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-108.47	-133.48	-150.22
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-109.22	-134.22	-148.16
Huron County, MI	Ozone	Maintenance	100	-	0.14	0.14	-0.40
Imperial County, CA	Ozone	Moderate	50	-	1.45	1.44	-4.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	1.42	1.41	-3.93
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.17	0.17	-0.47
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	11.77	11.63	-32.47
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	9.36	9.26	-25.84
Jackson County, IN	Ozone	Maintenance	100	-	0.42	0.41	-1.15
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.82	0.81	-2.26
Jefferson County, NY	Ozone	Moderate	50	-	0.67	0.66	-1.84
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	1.11	1.10	-3.07
Johnstown, PA	Ozone	Maintenance	100	-	0.41	0.40	-1.12
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.45	0.44	-1.24
Juneau, AK	PM ₁₀	Moderate	100	-	0.08	0.08	-0.21
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	2.67	2.64	-7.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.19	0.19	-0.52
Kansas City, MO-KS	Ozone	Maintenance	100	-	9.84	9.73	-27.16
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.86	0.85	-2.36
Kent, WA	PM ₁₀	Maintenance	100	-	0.16	0.16	-0.45
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.44	0.44	-1.23
Kewaunee County, WI	Ozone	Maintenance	100	-	0.13	0.13	-0.35
King County, WA	PM ₁₀	Maintenance	100	-	0.06	0.06	-0.17
Klamath Falls, OR	CO	Maintenance	100	-	0.25	0.25	-0.70

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.25	0.25	-0.70
Knoxville, TN	Ozone	Former Subpart 1	50	-	7.42	7.34	-20.48
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	5.60	5.53	-15.45
La Porte County, IN	SO _x	Maintenance	100	-	0.17	0.17	-0.46
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.08	0.08	-0.23
Lake County, IN	SO _x	Maintenance	100	-	1.50	1.48	-4.14
Lake County, OH	SO _x	Maintenance	100	-	0.19	0.18	-0.51
Lake County, OR	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.08
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.24	0.23	-0.65
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.54	0.53	-1.48
Lake Tahoe, NV	CO	Maintenance	100	-	0.11	0.11	-0.30
Lamar, CO	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Lancaster, PA	Ozone	Maintenance	100	-	2.56	2.53	-7.07
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	2.56	2.53	-7.07
Lane County, OR	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	2.62	2.59	-7.22
LaPorte, IN	Ozone	Maintenance	100	-	0.46	0.46	-1.28
Las Vegas, NV	CO	Serious	100	-	10.10	9.98	-27.86
Las Vegas, NV	Ozone	Former Subpart 1	50	-	10.20	10.08	-28.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.44	0.43	-1.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.01	0.01	-0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.05	-0.16
Lima, OH	Ozone	Maintenance	100	-	-139.06	-170.80	-186.99
Longmont, CO	CO	Maintenance	100	-	0.61	0.60	-1.68
Lorain County, OH	SO _x	Maintenance	100	-	0.25	0.25	-0.70

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Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-302.71	-393.67	-781.71
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-302.71	-393.67	-781.71
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-302.71	-393.67	-781.71
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-302.71	-393.67	-781.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-302.72	-393.67	-781.70
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	4.29	4.24	-11.83
Louisville, KY-IN	Ozone	Maintenance	100	-	5.95	5.88	-16.41
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	5.66	5.59	-15.61
Lowell, MA	CO	Maintenance	100	-	0.69	0.68	-1.90
Lucas County, OH	SO _x	Maintenance	100	-	1.45	1.43	-4.00
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.26	0.25	-0.89
Macon, GA	Ozone	Maintenance	100	-	0.99	0.98	-2.74
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.98	0.97	-2.71
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Madison, WI	SO _x	Maintenance	100	-	1.60	1.58	-4.40
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.08	0.08	-0.23
Manchester, NH	CO	Maintenance	100	-	0.35	0.35	-0.98
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.52	0.51	-1.43
Marion County, IN	SO _x	Maintenance	100	-	1.55	1.53	-4.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.81	0.80	-2.24
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	1.77	1.75	-4.87
Mason County, MI	Ozone	Maintenance	100	-	0.15	0.15	-0.41
Medford, OR	CO	Maintenance	100	-	0.52	0.52	-1.44
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	1.26	1.25	-3.49
Memphis, TN-AR	Ozone	Maintenance	100	-	-38.09	-47.93	-70.91
Memphis, TN	CO	Maintenance	100	-	-38.45	-48.28	-69.92
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.19	0.19	-0.53

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Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Milwaukee, WI	SO _x	Maintenance	100	-	2.69	2.66	-7.41
Milwaukee-Racine, WI	Ozone	Moderate	50	-	10.02	9.91	-27.65
Minneapolis-St Paul, MN	CO	Maintenance	100	-	16.87	16.68	-46.55
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	16.38	16.19	-45.19
Missoula, MT	CO	Maintenance	100	-	0.36	0.35	-0.98
Missoula, MT	PM ₁₀	Moderate	100	-	0.34	0.34	-0.95
Modesto, CA	CO	Maintenance	100	-	2.12	2.10	-5.85
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.73	0.73	-2.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.02	0.02	-0.05
Morristown, NJ	CO	Maintenance	100	-	0.22	0.22	-0.62
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.14	0.14	-0.39
Muncie, IN	Ozone	Maintenance	100	-	0.51	0.51	-1.42
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.03	0.03	-0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.09	0.09	-0.24
Muskegon, MI	Ozone	Maintenance	100	-	0.72	0.71	-2.00
Nashua, NH	CO	Maintenance	100	-	0.29	0.29	-0.80
Nashville, TN	Ozone	Former Subpart 1	50	-	9.79	9.68	-27.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	1.12	1.10	-3.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.91	0.90	-2.50
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	4.06	4.01	-11.19
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.03	0.03	-0.08
New York County, NY	PM ₁₀	Moderate	100	-	2.18	2.16	-6.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.34	-14.03	-174.47
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	19.56	4.56	-307.02
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	18.81	3.82	-304.95
Nogales, AZ	PM ₁₀	Moderate	100	-	0.24	0.24	-0.66

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Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-147.10	-182.56	-230.16
Ogden, UT	CO	Maintenance	100	-	0.37	0.36	-1.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.37	0.36	-1.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.10	0.10	-0.27
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.69	0.68	-1.89
Owens Valley, CA	PM ₁₀	Serious	70	-	0.03	0.03	-0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.74	0.73	-2.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.74	0.73	-2.05
Payson, AZ	PM ₁₀	Maintenance	100	-	0.12	0.12	-0.33
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Peoria, IL	SO _x	Maintenance	100	-	0.49	0.48	-1.39
Perth Amboy, NJ	CO	Maintenance	100	-	-16.12	-19.91	-23.68
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	1.82	1.80	-5.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-217.54	-272.62	-385.61
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-206.65	-261.99	-418.15
Phoenix, AZ	CO	Maintenance	100	-	35.92	35.49	-99.52
Phoenix, AZ	PM ₁₀	Serious	70	-	36.83	36.39	-102.04
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	36.92	36.48	-102.29
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.18	0.17	-0.49
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	10.21	10.08	-28.41
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	9.31	9.19	-25.95
Polk County, TN	SO _x	Maintenance	100	-	0.11	0.11	-0.30
Polson, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Portland, ME	Ozone	Maintenance	100	-	3.09	3.06	-8.57

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Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	5.37	5.10	-18.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.23	0.22	-0.62
Poughkeepsie, NY	Ozone	Moderate	50	-	8.82	8.72	-24.33
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.12
Providence (entire State), RI	Ozone	Moderate	50	-	5.66	5.60	-15.62
Provo, UT	CO	Maintenance	100	-	1.05	1.04	-2.91
Raleigh-Durham, NC	CO	Maintenance	100	-	8.16	8.07	-22.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	11.06	10.94	-30.53
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	1.79	1.77	-4.95
Reading, PA	PM _{2.5}	Nonattainment	100	-	1.79	1.77	-4.95
Reno, NV	CO	Maintenance	100	-	1.35	1.34	-3.74
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	6.47	6.35	-18.77
Rillito, AZ	PM ₁₀	Moderate	100	-	0.34	0.33	-0.93
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	4.62	4.57	-12.75
Roanoke, VA	Ozone	Former Subpart 1	50	-	1.35	1.33	-3.73
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.47	0.46	-1.29
Rochester, NY	Ozone	Former Subpart 1	50	-	7.24	7.16	-19.98
Rocky Mount, NC	Ozone	Maintenance	100	-	0.95	0.94	-2.61
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.64	0.63	-1.76
Ronan, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	10.39	10.27	-28.67
Sacramento Metro, CA	Ozone	Severe	25	-	19.28	19.06	-53.20
Sacramento, CA	CO	Maintenance	100	-	11.69	11.56	-32.27
Salem, OR	CO	Maintenance	100	-	0.69	0.68	-1.90
Salt Lake City, UT	CO	Maintenance	100	-	-37.64	-46.49	-55.10

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-32.92	-41.83	-68.13
Salt Lake County, UT	SO _x	Nonattainment	100	-	5.97	5.90	-16.48
San Antonio, TX	Ozone	Former Subpart 1	50	-	11.06	10.93	-30.51
San Bernardino County, CA	PM ₁₀	Moderate	100	-	2.60	2.57	-7.19
San Diego, CA	CO	Maintenance	100	-	27.81	27.50	-76.75
San Diego, CA	Ozone	Former Subpart 1	50	-	27.87	27.55	-76.90
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-281.52	-355.03	-537.27
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-276.66	-350.22	-550.68
San Joaquin Valley, CA	Ozone	Extreme	10	-	28.19	27.17	-89.67
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	28.25	27.24	-89.86
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	28.19	27.17	-89.67
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.22	0.22	-0.60
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	3.62	3.58	-9.99
Seattle-Tacoma, WA	CO	Maintenance	100	-	17.98	17.77	-49.61
Sheboygan, WI	Ozone	Moderate	50	-	0.69	0.68	-1.89
Sheridan, WY	PM ₁₀	Moderate	100	-	0.11	0.11	-0.32
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.10	0.10	-0.28
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	2.45	2.42	-6.76
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.56	0.54	-1.92
Spokane County, WA	PM ₁₀	Maintenance	100	-	1.77	1.75	-4.89
Spokane, WA	CO	Maintenance	100	-	1.75	1.73	-4.83
Springfield (western MA), MA	Ozone	Moderate	50	-	4.83	4.78	-13.33
Springfield, MA	CO	Maintenance	100	-	0.85	0.84	-2.34
St. Louis, MO	CO	Maintenance	100	-	4.00	3.96	-11.04
St. Louis, MO-IL	Ozone	Moderate	50	-	-610.12	-752.35	-871.91
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-610.22	-752.45	-871.64

Appendix B

Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	1.03	1.02	-2.85
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.14	0.13	-0.37
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.20	0.19	-0.54
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.65	-0.90	-2.66
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.65	-0.90	-2.66
Stockton, CA	CO	Maintenance	100	-	3.30	3.26	-9.09
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	2.62	2.59	-7.24
Telluride, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.60	0.59	-1.65
Tioga County, PA	Ozone	Maintenance	100	-	0.27	0.27	-0.75
Toledo, OH	Ozone	Maintenance	100	-	-142.59	-175.66	-200.77
Toms River, NJ	CO	Maintenance	100	-	0.66	0.65	-1.82
Tooele County, UT	SO _x	Nonattainment	100	-	0.59	0.58	-1.62
Trenton, NJ	CO	Maintenance	100	-	0.50	0.50	-1.38
Trona, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.06
Tucson, AZ	CO	Maintenance	100	-	6.16	6.09	-16.99
Utah County, UT	PM ₁₀	Moderate	100	-	3.01	2.97	-8.30
Vancouver, WA	CO	Maintenance	100	-	2.05	2.03	-5.66
Ventura County, CA	Ozone	Serious	50	-	5.51	5.40	-15.96
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.09
Vigo County, IN	SO _x	Maintenance	100	-	0.60	0.59	-1.65
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.30	0.30	-0.84
Warren County, NJ	SO _x	Maintenance	100	-	0.20	0.20	-0.56
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.34
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	1.13	1.12	-3.12
Washington, DC-MD-VA	CO	Maintenance	100	-	9.18	9.08	-25.33

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Table B.1-232
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Particulate Matter 2.5 (PM_{2.5}) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	32.90	32.52	-90.78
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	32.13	31.77	-88.67
Washoe County, NV	PM ₁₀	Serious	70	-	1.35	1.34	-3.74
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.02	0.02	-0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.32	0.32	-0.88
Wayne County, MI	PM ₁₀	Maintenance	100	-	-68.63	-84.39	-93.95
Weirton, WV	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.09
Weirton, WV	SO _x	Maintenance	100	-	0.05	0.05	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.67	0.66	-1.85
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.67	0.66	-1.85
Winston-Salem, NC	CO	Maintenance	100	-	2.31	2.28	-6.36
Worcester, MA	CO	Maintenance	100	-	1.37	1.36	-3.79
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.53	0.52	-1.46
Yakima, WA	CO	Maintenance	100	-	0.26	0.26	-0.72
York, PA	Ozone	Maintenance	100	-	2.61	2.58	-7.19
York, PA	PM _{2.5}	Nonattainment	100	-	2.02	1.99	-5.56
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	3.00	2.97	-8.29
Yuma, AZ	PM ₁₀	Moderate	100	-	1.20	1.18	-3.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-233
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-2.42	-3.30	-5.91
Albuquerque, NM	CO	Maintenance	100	-	-1.12	-1.53	-2.74
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.27	-0.37	-0.66
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-1.13	-1.54	-2.75
Altoona, PA	Ozone	Maintenance	100	-	-0.22	-0.29	-0.51
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.29	-0.40	-0.71
Anchorage, AK	CO	Maintenance	100	-	-0.26	-0.36	-0.64
Anthony, NM	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Atlanta, GA	Ozone	Moderate	50	-	-12.51	-17.05	-30.51
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-12.52	-17.06	-30.53
Atlantic City, NJ	CO	Maintenance	100	-	-0.10	-0.13	-0.24
Bakersfield, CA	CO	Maintenance	100	-	-4.01	-5.40	-6.74
Baltimore, MD	CO	Maintenance	100	-	-0.02	-0.03	-0.05
Baltimore, MD	Ozone	Moderate	50	-	-5.62	-7.67	-13.71
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-5.62	-7.67	-13.71
Baton Rouge, LA	Ozone	Moderate	50	-	-35.76	-48.10	-54.42
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-478.93	-643.83	-712.23
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.35	-0.48	-0.86
Benzie County, MI	Ozone	Maintenance	100	-	-0.04	-0.06	-0.10
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.28	-0.38	-0.67
Billings, MT	CO	Maintenance	100	-	-68.06	-91.49	-101.24
Birmingham, AL	Ozone	Maintenance	100	-	-2.03	-2.76	-4.87

Appendix B

Table B.1-233
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.03	-2.77	-4.88
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.61	-0.83	-1.48
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.61	-0.83	-1.48
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Boston, MA	CO	Maintenance	100	-	-1.63	-2.22	-3.98
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-9.69	-13.21	-23.63
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-1.22	-1.67	-2.98
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-2.21	-3.01	-5.39
Burlington, NJ	CO	Maintenance	100	-	-0.02	-0.02	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.10
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.09
Canton-Massillon, OH	Ozone	Maintenance	100	-	-3.74	-5.04	-6.10
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-3.74	-5.04	-6.10
Case County, MI	Ozone	Maintenance	100	-	-0.08	-0.11	-0.20
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Charleston, WV	Ozone	Maintenance	100	-	-0.54	-0.74	-1.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-0.54	-0.74	-1.32
Charlotte, NC	CO	Maintenance	100	-	-1.37	-1.87	-3.35
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-3.08	-4.20	-7.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-1.05	-1.43	-2.56
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.95	-1.30	-2.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-324.21	-436.07	-494.33
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-324.66	-436.69	-495.43
Chico, CA	CO	Maintenance	100	-	-0.19	-0.26	-0.47
Chico, CA	Ozone	Former Subpart 1	50	-	-0.45	-0.62	-1.10
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-3.74	-5.10	-9.13

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Table B.1-233
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-3.64	-4.95	-8.86
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Clark County, NV	PM ₁₀	Serious	70	-	-2.75	-3.74	-6.70
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.49	-0.66	-1.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.35	-0.47	-0.84
Cleveland, OH	CO	Maintenance	100	-	-1.84	-2.50	-4.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-4.94	-6.74	-12.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-4.57	-6.22	-11.13
Coachella Valley, CA	PM ₁₀	Serious	70	-	-1.15	-1.57	-2.80
Colbert County, AL	SO _x	Maintenance	100	-	-0.12	-0.16	-0.29
Colorado Springs, CO	CO	Maintenance	100	-	-1.09	-1.49	-2.67
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Columbia, SC	Ozone	Former Subpart 1	50	-	-1.24	-1.69	-3.01
Columbus, OH	Ozone	Maintenance	100	-	-3.13	-4.27	-7.64
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-2.90	-3.96	-7.08
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-1.84	-2.50	-4.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	-1.50	-2.04	-3.65
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-12.90	-17.58	-31.46
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-1.61	-2.20	-3.94
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-1.43	-1.95	-3.48
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-40.24	-54.19	-65.06
Denver-Boulder, CO	CO	Maintenance	100	-	-40.00	-53.86	-64.47
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-41.38	-55.74	-67.84
Detroit, MI	CO	Maintenance	100	-	-14.59	-19.67	-24.63
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-24.46	-33.05	-44.73
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-24.30	-32.82	-44.33

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.07	-0.09	-0.17
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.17
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13
Duluth, MN	CO	Maintenance	100	-	-0.16	-0.22	-0.39
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-80.90	-108.76	-120.57
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-10.16	-13.68	-15.96
El Paso, TX	CO	Maintenance	100	-	-0.06	-0.08	-0.15
Erie, PA	Ozone	Maintenance	100	-	-0.44	-0.60	-1.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.43	-0.59	-1.06
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.41	-0.56	-1.01
Evansville, IN	Ozone	Maintenance	100	-	-0.48	-0.66	-1.18
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.62	-0.85	-1.52
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.04	-0.08
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-0.56	-0.76	-1.37
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Flint, MI	Ozone	Maintenance	100	-	-1.00	-1.36	-2.43
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.33	-0.44	-0.79
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.69	-0.95	-1.69
Franklin County, PA	Ozone	Maintenance	100	-	-0.29	-0.39	-0.70
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.25	-0.34	-0.60
Fredericksburg, VA	Ozone	Maintenance	100	-	-0.76	-1.04	-1.86

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Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.08
Fresno, CA	CO	Maintenance	100	-	-1.09	-1.49	-2.66
Grand Rapids, MI	Ozone	Maintenance	100	-	-1.52	-2.07	-3.71
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.19
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.15
Great Falls, MT	CO	Maintenance	100	-	-0.04	-0.05	-0.09
Greater Connecticut, CT	Ozone	Moderate	50	-	-3.16	-4.30	-7.69
Greeley, CO	CO	Maintenance	100	-	-0.23	-0.31	-0.56
Green Bay, WI	SO _x	Maintenance	100	-	-0.23	-0.32	-0.57
Greene County, IN	Ozone	Maintenance	100	-	-0.09	-0.13	-0.23
Greene County, PA	Ozone	Maintenance	100	-	-0.09	-0.12	-0.21
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-3.10	-4.23	-7.56
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-1.54	-2.10	-3.75
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-1.73	-2.35	-4.21
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.11
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.22	-0.30	-0.53
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-1.61	-2.19	-3.92
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-1.48	-2.02	-3.62
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-2.05	-2.79	-5.00
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.04
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.18
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Hazelwood, PA	SO _x	Maintenance	100	-	-0.08	-0.11	-0.19
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.34	-0.47	-0.84
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-0.56	-0.77	-1.38
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-149.80	-201.56	-232.61
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-8.26	-11.11	-12.82
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.99	-10.75	-12.18
Huron County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.13
Imperial County, CA	Ozone	Moderate	50	-	-0.40	-0.55	-0.98
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.39	-0.54	-0.96
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.16
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-3.77	-5.14	-9.19
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-2.99	-4.07	-7.28
Jackson County, IN	Ozone	Maintenance	100	-	-0.15	-0.21	-0.37
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.30	-0.41	-0.73
Jefferson County, NY	Ozone	Moderate	50	-	-0.24	-0.32	-0.58
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.42	-0.57	-1.02
Johnstown, PA	Ozone	Maintenance	100	-	-0.20	-0.27	-0.49
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.22	-0.30	-0.54
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.97	-1.32	-2.36
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.13
Kansas City, MO-KS	Ozone	Maintenance	100	-	-3.13	-4.27	-7.64
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.27	-0.37	-0.66
Kent, WA	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.11
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.16	-0.21	-0.38
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.05	-0.06	-0.12
King County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Klamath Falls, OR	CO	Maintenance	100	-	-0.10	-0.13	-0.23

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.10	-0.13	-0.23
Knoxville, TN	Ozone	Former Subpart 1	50	-	-2.21	-3.01	-5.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-1.72	-2.34	-4.19
La Porte County, IN	SO _x	Maintenance	100	-	-0.07	-0.09	-0.16
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Lake County, IN	SO _x	Maintenance	100	-	-0.59	-0.80	-1.44
Lake County, OH	SO _x	Maintenance	100	-	-0.07	-0.09	-0.17
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.05	-0.07	-0.13
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.11	-0.15	-0.27
Lake Tahoe, NV	CO	Maintenance	100	-	-0.04	-0.05	-0.09
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-0.85	-1.16	-2.08
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-0.85	-1.16	-2.08
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-0.91	-1.24	-2.21
LaPorte, IN	Ozone	Maintenance	100	-	-0.19	-0.26	-0.46
Las Vegas, NV	CO	Serious	100	-	-2.75	-3.74	-6.70
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-2.79	-3.80	-6.80
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.17	-0.23	-0.41
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.03	-0.04	-0.07
Lima, OH	Ozone	Maintenance	100	-	-51.01	-68.58	-75.99
Longmont, CO	CO	Maintenance	100	-	-0.17	-0.23	-0.41
Lorain County, OH	SO _x	Maintenance	100	-	-0.09	-0.12	-0.21

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Table B.1-233
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-136.85	-184.50	-230.48
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-136.85	-184.50	-230.48
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-136.85	-184.50	-230.48
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-136.85	-184.50	-230.48
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-136.85	-184.49	-230.47
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-1.29	-1.75	-3.14
Louisville, KY-IN	Ozone	Maintenance	100	-	-2.16	-2.95	-5.27
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-2.10	-2.86	-5.12
Lowell, MA	CO	Maintenance	100	-	-0.21	-0.29	-0.52
Lucas County, OH	SO _x	Maintenance	100	-	-0.58	-0.79	-1.41
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.12	-0.16	-0.29
Macon, GA	Ozone	Maintenance	100	-	-0.41	-0.56	-1.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.40	-0.55	-0.99
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.01
Madison, WI	SO _x	Maintenance	100	-	-0.45	-0.62	-1.10
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Manchester, NH	CO	Maintenance	100	-	-0.15	-0.20	-0.37
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.20	-0.27	-0.48
Marion County, IN	SO _x	Maintenance	100	-	-0.61	-0.82	-1.48
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.20	-0.28	-0.49
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.61	-0.83	-1.48
Mason County, MI	Ozone	Maintenance	100	-	-0.05	-0.07	-0.12
Medford, OR	CO	Maintenance	100	-	-0.14	-0.19	-0.35
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.34	-0.46	-0.83
Memphis, TN-AR	Ozone	Maintenance	100	-	-3.81	-5.15	-7.50
Memphis, TN	CO	Maintenance	100	-	-3.65	-4.94	-7.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13

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Table B.1-233
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	-1.02	-1.39	-2.49
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-3.37	-4.60	-8.23
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-15.52	-20.96	-28.22
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-5.28	-7.19	-12.86
Missoula, MT	CO	Maintenance	100	-	-0.12	-0.16	-0.28
Missoula, MT	PM ₁₀	Moderate	100	-	-0.11	-0.15	-0.27
Modesto, CA	CO	Maintenance	100	-	-0.56	-0.76	-1.36
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.19	-0.26	-0.46
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Morristown, NJ	CO	Maintenance	100	-	-0.06	-0.08	-0.15
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.06	-0.08	-0.14
Muncie, IN	Ozone	Maintenance	100	-	-0.23	-0.31	-0.56
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.02
Muscatine County, IA	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Muskegon, MI	Ozone	Maintenance	100	-	-0.25	-0.33	-0.60
Nashua, NH	CO	Maintenance	100	-	-0.12	-0.16	-0.29
Nashville, TN	Ozone	Former Subpart 1	50	-	-3.07	-4.18	-7.48
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.25	-0.34	-0.60
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.26	-0.35	-0.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-1.51	-2.06	-3.69
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
New York County, NY	PM ₁₀	Moderate	100	-	-0.89	-1.21	-2.17
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-24.02	-32.57	-49.96
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-39.22	-53.24	-85.21
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-38.98	-52.92	-84.64
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.08	-0.10	-0.19

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-23.81	-32.07	-38.24
Ogden, UT	CO	Maintenance	100	-	-0.14	-0.18	-0.33
Ogden, UT	PM ₁₀	Moderate	100	-	-0.14	-0.18	-0.33
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.20	-0.27	-0.48
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.01	-0.02
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.28	-0.38	-0.68
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.28	-0.38	-0.69
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.09
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.19	-0.26	-0.47
Perth Amboy, NJ	CO	Maintenance	100	-	-2.03	-2.74	-3.16
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-0.76	-1.04	-1.86
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-85.16	-114.63	-134.60
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-89.12	-120.03	-144.25
Phoenix, AZ	CO	Maintenance	100	-	-8.33	-11.35	-20.31
Phoenix, AZ	PM ₁₀	Serious	70	-	-8.60	-11.71	-20.96
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-8.63	-11.76	-21.03
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.04	-0.06	-0.10
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-3.91	-5.33	-9.48
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-3.58	-4.87	-8.67
Polk County, TN	SO _x	Maintenance	100	-	-0.04	-0.05	-0.10
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Portland, ME	Ozone	Maintenance	100	-	-1.07	-1.45	-2.60

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-2.41	-3.28	-5.69
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.08	-0.11	-0.21
Poughkeepsie, NY	Ozone	Moderate	50	-	-2.52	-3.43	-6.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.04
Providence (entire State), RI	Ozone	Moderate	50	-	-1.86	-2.53	-4.53
Provo, UT	CO	Maintenance	100	-	-0.30	-0.41	-0.73
Raleigh-Durham, NC	CO	Maintenance	100	-	-2.42	-3.30	-5.90
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-3.31	-4.51	-8.06
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Reading, PA	Ozone	Maintenance	100	-	-0.64	-0.87	-1.55
Reading, PA	PM _{2.5}	Nonattainment	100	-	-0.64	-0.87	-1.55
Reno, NV	CO	Maintenance	100	-	-0.46	-0.63	-1.13
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-2.33	-3.18	-5.69
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.09	-0.12	-0.22
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-1.15	-1.57	-2.80
Roanoke, VA	Ozone	Former Subpart 1	50	-	-0.50	-0.69	-1.23
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.15	-0.21	-0.37
Rochester, NY	Ozone	Former Subpart 1	50	-	-2.55	-3.48	-6.23
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.36	-0.49	-0.87
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.23	-0.31	-0.56
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	-2.71	-3.69	-6.61
Sacramento Metro, CA	Ozone	Severe	25	-	-4.83	-6.58	-11.78
Sacramento, CA	CO	Maintenance	100	-	-3.01	-4.11	-7.35
Salem, OR	CO	Maintenance	100	-	-0.25	-0.34	-0.61
Salt Lake City, UT	CO	Maintenance	100	-	-1.93	-2.60	-3.24

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-3.47	-4.70	-7.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	-1.94	-2.64	-4.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	-3.49	-4.75	-8.50
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.80	-1.09	-1.94
San Diego, CA	CO	Maintenance	100	-	-7.60	-10.35	-18.52
San Diego, CA	Ozone	Former Subpart 1	50	-	-7.61	-10.37	-18.55
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-316.00	-425.01	-480.77
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-317.60	-427.20	-484.69
San Joaquin Valley, CA	Ozone	Extreme	10	-	-11.47	-15.57	-24.92
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-11.50	-15.62	-25.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-11.47	-15.57	-24.92
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.15
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-1.28	-1.74	-3.11
Seattle-Tacoma, WA	CO	Maintenance	100	-	-5.59	-7.61	-13.62
Sheboygan, WI	Ozone	Moderate	50	-	-0.22	-0.31	-0.55
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.10
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.03	-0.04	-0.08
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-0.86	-1.17	-2.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.35	-0.47	-0.85
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.56	-0.76	-1.36
Spokane, WA	CO	Maintenance	100	-	-0.55	-0.75	-1.34
Springfield (western MA), MA	Ozone	Moderate	50	-	-1.70	-2.32	-4.15
Springfield, MA	CO	Maintenance	100	-	-0.27	-0.37	-0.66
St. Louis, MO	CO	Maintenance	100	-	-1.81	-2.47	-4.41
St. Louis, MO-IL	Ozone	Moderate	50	-	-265.51	-357.03	-399.88
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-265.47	-356.98	-399.79

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.32	-0.43	-0.78
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.08
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.20
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-2.42	-3.25	-3.77
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-2.42	-3.25	-3.77
Stockton, CA	CO	Maintenance	100	-	-0.84	-1.15	-2.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.99	-1.35	-2.41
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.26	-0.35	-0.63
Tioga County, PA	Ozone	Maintenance	100	-	-0.11	-0.15	-0.27
Toledo, OH	Ozone	Maintenance	100	-	-15.41	-20.74	-23.91
Toms River, NJ	CO	Maintenance	100	-	-0.18	-0.25	-0.45
Tooele County, UT	SO _x	Nonattainment	100	-	-0.19	-0.26	-0.46
Trenton, NJ	CO	Maintenance	100	-	-0.17	-0.23	-0.41
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Tucson, AZ	CO	Maintenance	100	-	-1.85	-2.52	-4.50
Utah County, UT	PM ₁₀	Moderate	100	-	-0.90	-1.23	-2.20
Vancouver, WA	CO	Maintenance	100	-	-0.57	-0.78	-1.39
Ventura County, CA	Ozone	Serious	50	-	-1.69	-2.30	-3.97
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.03
Vigo County, IN	SO _x	Maintenance	100	-	-0.26	-0.35	-0.63
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.11	-0.15	-0.26
Warren County, NJ	SO _x	Maintenance	100	-	-0.07	-0.09	-0.17
Warren County, PA	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.07
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.41	-0.55	-0.99
Washington, DC-MD-VA	CO	Maintenance	100	-	-2.97	-4.05	-7.24

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-10.07	-13.72	-24.55
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-9.86	-13.44	-24.05
Washoe County, NV	PM ₁₀	Serious	70	-	-0.46	-0.63	-1.13
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Wayne County, IN	SO _x	Maintenance	100	-	-0.14	-0.19	-0.34
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.18	-6.96	-7.82
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Weirton, WV	SO _x	Maintenance	100	-	-0.03	-0.03	-0.06
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.29	-0.40	-0.72
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.29	-0.40	-0.72
Winston-Salem, NC	CO	Maintenance	100	-	-0.78	-1.06	-1.90
Worcester, MA	CO	Maintenance	100	-	-0.41	-0.55	-0.99
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.24	-0.43
Yakima, WA	CO	Maintenance	100	-	-0.07	-0.10	-0.17
York, PA	Ozone	Maintenance	100	-	-0.84	-1.14	-2.04
York, PA	PM _{2.5}	Nonattainment	100	-	-0.65	-0.89	-1.59
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-1.25	-1.70	-3.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.34	-0.47	-0.83

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-4.92	-7.54	-12.98
Albuquerque, NM	CO	Maintenance	100	-	-2.27	-3.47	-5.98
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.56	-0.86	-1.48
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-2.28	-3.50	-6.02
Altoona, PA	Ozone	Maintenance	100	-	-0.43	-0.65	-1.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.64	-0.98	-1.69
Anchorage, AK	CO	Maintenance	100	-	-0.55	-0.84	-1.44
Anthony, NM	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Atlanta, GA	Ozone	Moderate	50	-	-25.76	-39.50	-68.02
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-25.77	-39.52	-68.05
Atlantic City, NJ	CO	Maintenance	100	-	-0.20	-0.30	-0.52
Bakersfield, CA	CO	Maintenance	100	-	-7.91	-11.63	-1.35
Baltimore, MD	CO	Maintenance	100	-	-0.04	-0.06	-0.10
Baltimore, MD	Ozone	Moderate	50	-	-11.50	-17.63	-30.36
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-11.50	-17.63	-30.36
Baton Rouge, LA	Ozone	Moderate	50	-	-69.80	-101.58	26.60
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-933.31	-1,355.52	466.26
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.69	-1.06	-1.83
Benzie County, MI	Ozone	Maintenance	100	-	-0.09	-0.14	-0.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.56	-0.87	-1.49
Billings, MT	CO	Maintenance	100	-	-132.64	-192.64	66.07
Birmingham, AL	Ozone	Maintenance	100	-	-4.04	-6.19	-10.22

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-4.06	-6.21	-10.25
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-1.25	-1.92	-3.30
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-1.25	-1.92	-3.30
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.17
Boston, MA	CO	Maintenance	100	-	-3.28	-5.03	-8.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-19.63	-30.10	-51.84
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-2.50	-3.83	-6.60
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.04	-0.06	-0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-4.43	-6.80	-11.70
Burlington, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.08
Butte, MT	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.21
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.20
Canton-Massillon, OH	Ozone	Maintenance	100	-	-7.31	-10.71	0.14
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-7.31	-10.71	0.14
Case County, MI	Ozone	Maintenance	100	-	-0.17	-0.26	-0.44
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Charleston, WV	Ozone	Maintenance	100	-	-1.06	-1.63	-2.81
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-1.06	-1.63	-2.81
Charlotte, NC	CO	Maintenance	100	-	-2.83	-4.34	-7.48
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-6.33	-9.71	-16.72
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-2.10	-3.23	-5.54
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-1.92	-2.94	-5.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-632.98	-921.44	234.07
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-633.90	-922.86	231.63
Chico, CA	CO	Maintenance	100	-	-0.42	-0.64	-1.10
Chico, CA	Ozone	Former Subpart 1	50	-	-0.96	-1.48	-2.55
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-7.58	-11.62	-20.01

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Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-7.36	-11.28	-19.43
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.05	-0.08	-0.14
Clark County, NV	PM ₁₀	Serious	70	-	-5.78	-8.86	-15.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-1.00	-1.53	-2.64
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.69	-1.06	-1.83
Cleveland, OH	CO	Maintenance	100	-	-3.59	-5.51	-9.49
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-9.89	-15.17	-26.12
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-9.12	-13.98	-24.08
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.46	-3.78	-6.50
Colbert County, AL	SO _x	Maintenance	100	-	-0.23	-0.35	-0.61
Colorado Springs, CO	CO	Maintenance	100	-	-2.27	-3.49	-6.00
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	-2.50	-3.84	-6.61
Columbus, OH	Ozone	Maintenance	100	-	-6.47	-9.91	-17.07
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-6.00	-9.20	-15.83
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-3.59	-5.51	-9.49
Cuyahoga County, OH	SO _x	Maintenance	100	-	-2.94	-4.51	-7.76
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-26.82	-41.13	-70.83
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-3.21	-4.92	-8.48
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-2.84	-4.35	-7.49
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-79.07	-115.76	3.80
Denver-Boulder, CO	CO	Maintenance	100	-	-78.57	-115.00	5.12
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-81.43	-119.38	-2.43
Detroit, MI	CO	Maintenance	100	-	-28.34	-41.66	-4.90
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-48.28	-71.56	-31.56
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-47.95	-71.06	-30.69

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**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.14	-0.22	-0.37
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.14	-0.21	-0.36
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.11	-0.16	-0.28
Duluth, MN	CO	Maintenance	100	-	-0.31	-0.48	-0.83
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.09
East Chicago, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-157.67	-229.04	77.11
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.01	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-19.89	-29.03	4.16
El Paso, TX	CO	Maintenance	100	-	-0.12	-0.18	-0.32
Erie, PA	Ozone	Maintenance	100	-	-0.88	-1.34	-2.31
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.89	-1.36	-2.34
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.85	-1.30	-2.23
Evansville, IN	Ozone	Maintenance	100	-	-0.97	-1.49	-2.57
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-1.25	-1.92	-3.31
Fairbanks, AK	CO	Maintenance	100	-	-0.07	-0.10	-0.18
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-1.13	-1.74	-2.99
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.07
Flint, MI	Ozone	Maintenance	100	-	-2.00	-3.06	-5.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Fort Collins, CO	CO	Maintenance	100	-	-0.68	-1.04	-1.79
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-1.40	-2.15	-3.70
Franklin County, PA	Ozone	Maintenance	100	-	-0.58	-0.90	-1.54
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.50	-0.77	-1.33
Fredericksburg, VA	Ozone	Maintenance	100	-	-1.60	-2.45	-4.21

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.07	-0.10	-0.18
Fresno, CA	CO	Maintenance	100	-	-2.27	-3.48	-5.99
Grand Rapids, MI	Ozone	Maintenance	100	-	-3.12	-4.79	-8.24
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.16	-0.24	-0.41
Grant County, NM	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.13	-0.19	-0.33
Great Falls, MT	CO	Maintenance	100	-	-0.08	-0.12	-0.20
Greater Connecticut, CT	Ozone	Moderate	50	-	-6.32	-9.69	-16.68
Greeley, CO	CO	Maintenance	100	-	-0.47	-0.73	-1.25
Green Bay, WI	SO _x	Maintenance	100	-	-0.47	-0.72	-1.25
Greene County, IN	Ozone	Maintenance	100	-	-0.19	-0.29	-0.49
Greene County, PA	Ozone	Maintenance	100	-	-0.17	-0.27	-0.46
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-6.24	-9.56	-16.47
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-3.08	-4.73	-8.14
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-3.45	-5.29	-9.10
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.09	-0.13	-0.23
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-0.44	-0.68	-1.17
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-3.29	-5.04	-8.68
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-3.04	-4.66	-8.02
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-4.09	-6.27	-10.79
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.15	-0.23	-0.40
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.02	-0.03	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.15	-0.24	-0.41
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-0.68	-1.05	-1.81
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-1.13	-1.73	-2.97
Hollis Township, IL	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-292.93	-427.16	79.81
Humphreys County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-16.11	-23.49	4.47
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-15.57	-22.67	5.88
Huron County, MI	Ozone	Maintenance	100	-	-0.11	-0.17	-0.29
Imperial County, CA	Ozone	Moderate	50	-	-0.84	-1.29	-2.23
Imperial Valley, CA	PM ₁₀	Serious	70	-	-0.82	-1.26	-2.18
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.13	-0.20	-0.34
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.01	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	-7.70	-11.81	-20.34
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-6.11	-9.36	-16.12
Jackson County, IN	Ozone	Maintenance	100	-	-0.30	-0.47	-0.80
Jamestown, NY	Ozone	Former Subpart 1	50	-	-0.60	-0.91	-1.57
Jefferson County, NY	Ozone	Moderate	50	-	-0.47	-0.73	-1.25
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.08
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.83	-1.28	-2.20
Johnstown, PA	Ozone	Maintenance	100	-	-0.39	-0.59	-1.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.43	-0.65	-1.12
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-1.94	-2.97	-5.12
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.30
Kansas City, MO-KS	Ozone	Maintenance	100	-	-6.41	-9.83	-16.92
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.55	-0.85	-1.46
Kent, WA	PM ₁₀	Maintenance	100	-	-0.10	-0.15	-0.25
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.32	-0.49	-0.84
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.09	-0.15	-0.25
King County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Klamath Falls, OR	CO	Maintenance	100	-	-0.19	-0.29	-0.50

Appendix B

Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.19	-0.29	-0.50
Knoxville, TN	Ozone	Former Subpart 1	50	-	-4.57	-7.01	-12.07
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-3.54	-5.42	-9.34
La Porte County, IN	SO _x	Maintenance	100	-	-0.13	-0.20	-0.35
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.15
Lake County, IN	SO _x	Maintenance	100	-	-1.17	-1.79	-3.08
Lake County, OH	SO _x	Maintenance	100	-	-0.14	-0.21	-0.36
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.17	-0.30
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.24	-0.37	-0.64
Lake Tahoe, NV	CO	Maintenance	100	-	-0.08	-0.12	-0.20
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	-1.73	-2.66	-4.57
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-1.73	-2.66	-4.57
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-1.83	-2.81	-4.84
LaPorte, IN	Ozone	Maintenance	100	-	-0.37	-0.57	-0.98
Las Vegas, NV	CO	Serious	100	-	-5.78	-8.86	-15.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-5.86	-8.99	-15.49
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.34	-0.52	-0.89
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.05	-0.08	-0.14
Lima, OH	Ozone	Maintenance	100	-	-99.42	-144.41	48.87
Longmont, CO	CO	Maintenance	100	-	-0.35	-0.54	-0.93
Lorain County, OH	SO _x	Maintenance	100	-	-0.18	-0.27	-0.47

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-269.81	-396.59	-48.45
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-269.81	-396.59	-48.45
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-269.81	-396.59	-48.45
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-269.81	-396.59	-48.45
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-269.80	-396.59	-48.44
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-2.66	-4.08	-7.02
Louisville, KY-IN	Ozone	Maintenance	100	-	-4.33	-6.65	-11.44
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-4.19	-6.43	-11.07
Lowell, MA	CO	Maintenance	100	-	-0.44	-0.67	-1.15
Lucas County, OH	SO _x	Maintenance	100	-	-1.15	-1.76	-3.03
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.24	-0.37	-0.63
Macon, GA	Ozone	Maintenance	100	-	-0.80	-1.23	-2.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.80	-1.22	-2.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.03
Madison, WI	SO _x	Maintenance	100	-	-0.94	-1.45	-2.49
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.10
Manchester, NH	CO	Maintenance	100	-	-0.30	-0.46	-0.78
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.39	-0.60	-1.03
Marion County, IN	SO _x	Maintenance	100	-	-1.20	-1.84	-3.17
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-0.43	-0.66	-1.14
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-1.23	-1.88	-3.24
Mason County, MI	Ozone	Maintenance	100	-	-0.10	-0.16	-0.27
Medford, OR	CO	Maintenance	100	-	-0.30	-0.46	-0.79
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-0.72	-1.10	-1.89
Memphis, TN-AR	Ozone	Maintenance	100	-	-7.49	-11.18	-8.27
Memphis, TN	CO	Maintenance	100	-	-7.18	-10.71	-7.46
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.11	-0.17	-0.30

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Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Milwaukee, WI	SO _x	Maintenance	100	-	-2.03	-3.11	-5.36
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-6.84	-10.49	-18.06
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-30.75	-45.55	-19.33
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-10.77	-16.52	-28.44
Missoula, MT	CO	Maintenance	100	-	-0.24	-0.36	-0.62
Missoula, MT	PM ₁₀	Moderate	100	-	-0.23	-0.35	-0.60
Modesto, CA	CO	Maintenance	100	-	-1.19	-1.82	-3.14
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-0.40	-0.61	-1.05
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Morristown, NJ	CO	Maintenance	100	-	-0.13	-0.19	-0.33
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.11	-0.17	-0.29
Muncie, IN	Ozone	Maintenance	100	-	-0.44	-0.68	-1.17
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.02	-0.03	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	-0.06	-0.09	-0.15
Muskegon, MI	Ozone	Maintenance	100	-	-0.50	-0.76	-1.31
Nashua, NH	CO	Maintenance	100	-	-0.24	-0.36	-0.63
Nashville, TN	Ozone	Former Subpart 1	50	-	-6.29	-9.65	-16.62
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-0.54	-0.83	-1.43
New Haven County, CT	PM ₁₀	Maintenance	100	-	-0.53	-0.82	-1.41
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-3.02	-4.63	-7.97
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
New York County, NY	PM ₁₀	Moderate	100	-	-1.75	-2.69	-4.63
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-47.67	-71.66	-70.45
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-78.37	-118.44	-139.93
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-77.88	-117.70	-138.65
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.16	-0.24	-0.41

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Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-46.59	-68.16	4.52
Ogden, UT	CO	Maintenance	100	-	-0.27	-0.41	-0.71
Ogden, UT	PM ₁₀	Moderate	100	-	-0.27	-0.41	-0.71
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.41	-0.63	-1.09
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.01	-0.02	-0.04
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.56	-0.85	-1.47
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.56	-0.86	-1.48
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.20
Penns Grove, NJ	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.38	-0.59	-1.01
Perth Amboy, NJ	CO	Maintenance	100	-	-3.98	-5.81	1.06
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-1.50	-2.30	-3.95
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-166.44	-243.10	30.42
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-174.44	-255.36	9.31
Phoenix, AZ	CO	Maintenance	100	-	-18.11	-27.77	-47.82
Phoenix, AZ	PM ₁₀	Serious	70	-	-18.66	-28.62	-49.28
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-18.73	-28.72	-49.45
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.09	-0.14	-0.24
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-7.79	-11.94	-20.26
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-7.13	-10.92	-18.50
Polk County, TN	SO _x	Maintenance	100	-	-0.08	-0.12	-0.21
Polson, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Portland, ME	Ozone	Maintenance	100	-	-2.16	-3.31	-5.69

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-4.84	-7.39	-11.56
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.17	-0.26	-0.44
Poughkeepsie, NY	Ozone	Moderate	50	-	-5.25	-8.05	-13.86
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.04	-0.05	-0.09
Providence (entire State), RI	Ozone	Moderate	50	-	-3.78	-5.80	-9.98
Provo, UT	CO	Maintenance	100	-	-0.63	-0.96	-1.65
Raleigh-Durham, NC	CO	Maintenance	100	-	-5.01	-7.69	-13.24
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-6.84	-10.48	-18.05
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Reading, PA	Ozone	Maintenance	100	-	-1.28	-1.96	-3.38
Reading, PA	PM _{2.5}	Nonattainment	100	-	-1.28	-1.96	-3.38
Reno, NV	CO	Maintenance	100	-	-0.94	-1.44	-2.48
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.01	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-4.70	-7.21	-12.42
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.19	-0.29	-0.49
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.46	-3.78	-6.50
Roanoke, VA	Ozone	Former Subpart 1	50	-	-1.01	-1.54	-2.66
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.31	-0.47	-0.81
Rochester, NY	Ozone	Former Subpart 1	50	-	-5.14	-7.88	-13.57
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.71	-1.09	-1.88
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.46	-0.71	-1.22
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.01	-0.01	-0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	-5.75	-8.82	-15.18
Sacramento Metro, CA	Ozone	Severe	25	-	-10.34	-15.85	-27.30
Sacramento, CA	CO	Maintenance	100	-	-6.42	-9.84	-16.94
Salem, OR	CO	Maintenance	100	-	-0.50	-0.77	-1.33
Salt Lake City, UT	CO	Maintenance	100	-	-3.79	-5.57	-0.65

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-6.93	-10.39	-8.94
Salt Lake County, UT	SO _x	Nonattainment	100	-	-3.96	-6.07	-10.44
San Antonio, TX	Ozone	Former Subpart 1	50	-	-7.14	-10.95	-18.85
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-1.65	-2.54	-4.37
San Diego, CA	CO	Maintenance	100	-	-15.97	-24.49	-42.17
San Diego, CA	Ozone	Former Subpart 1	50	-	-16.00	-24.53	-42.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-617.21	-898.33	234.13
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-620.48	-903.35	225.49
San Joaquin Valley, CA	Ozone	Extreme	10	-	-23.70	-35.84	-43.04
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-23.77	-35.95	-43.23
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-23.70	-35.84	-43.04
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.13	-0.20	-0.34
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-2.57	-3.94	-6.78
Seattle-Tacoma, WA	CO	Maintenance	100	-	-11.48	-17.60	-30.31
Sheboygan, WI	Ozone	Moderate	50	-	-0.46	-0.70	-1.20
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.08	-0.13	-0.22
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.07	-0.10	-0.18
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-1.74	-2.66	-4.58
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.67	-1.03	-1.77
Spokane County, WA	PM ₁₀	Maintenance	100	-	-1.14	-1.75	-3.01
Spokane, WA	CO	Maintenance	100	-	-1.13	-1.73	-2.98
Springfield (western MA), MA	Ozone	Moderate	50	-	-3.43	-5.26	-9.05
Springfield, MA	CO	Maintenance	100	-	-0.55	-0.85	-1.46
St. Louis, MO	CO	Maintenance	100	-	-3.52	-5.39	-9.29
St. Louis, MO-IL	Ozone	Moderate	50	-	-517.64	-752.66	225.54
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-517.56	-752.54	225.74

Appendix B

Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.66	-1.01	-1.73
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.19
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.16	-0.25	-0.43
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-4.71	-6.87	1.22
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-4.71	-6.87	1.22
Stockton, CA	CO	Maintenance	100	-	-1.79	-2.74	-4.72
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-1.97	-3.02	-5.20
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.50	-0.77	-1.33
Tioga County, PA	Ozone	Maintenance	100	-	-0.22	-0.33	-0.57
Toledo, OH	Ozone	Maintenance	100	-	-30.08	-43.85	8.56
Toms River, NJ	CO	Maintenance	100	-	-0.38	-0.59	-1.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.39	-0.59	-1.02
Trenton, NJ	CO	Maintenance	100	-	-0.34	-0.52	-0.90
Trona, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Tucson, AZ	CO	Maintenance	100	-	-3.82	-5.85	-10.08
Utah County, UT	PM ₁₀	Moderate	100	-	-1.86	-2.86	-4.92
Vancouver, WA	CO	Maintenance	100	-	-1.19	-1.83	-3.15
Ventura County, CA	Ozone	Serious	50	-	-3.54	-5.40	-8.38
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.07
Vigo County, IN	SO _x	Maintenance	100	-	-0.50	-0.77	-1.33
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.22	-0.33	-0.57
Warren County, NJ	SO _x	Maintenance	100	-	-0.14	-0.21	-0.36
Warren County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.14
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.82	-1.25	-2.16
Washington, DC-MD-VA	CO	Maintenance	100	-	-6.01	-9.22	-15.87

Appendix B

**Table B.1-234
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-20.74	-31.80	-54.75
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-20.30	-31.13	-53.61
Washoe County, NV	PM ₁₀	Serious	70	-	-0.94	-1.44	-2.48
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.02	-0.02	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	-0.28	-0.42	-0.73
Wayne County, MI	PM ₁₀	Maintenance	100	-	-10.15	-14.77	4.24
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.10
Weirton, WV	SO _x	Maintenance	100	-	-0.05	-0.07	-0.13
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.57	-0.88	-1.51
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.57	-0.88	-1.51
Winston-Salem, NC	CO	Maintenance	100	-	-1.58	-2.42	-4.17
Worcester, MA	CO	Maintenance	100	-	-0.84	-1.28	-2.21
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.36	-0.55	-0.94
Yakima, WA	CO	Maintenance	100	-	-0.15	-0.23	-0.39
York, PA	Ozone	Maintenance	100	-	-1.71	-2.62	-4.51
York, PA	PM _{2.5}	Nonattainment	100	-	-1.33	-2.04	-3.51
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-2.45	-3.76	-6.47
Yuma, AZ	PM ₁₀	Moderate	100	-	-0.71	-1.09	-1.88

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.11
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.05	-0.07	-0.11
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-14.12	-21.15	-33.53
Albuquerque, NM	CO	Maintenance	100	-	-6.42	-9.62	-15.25
Allegan County, MI	Ozone	Former Subpart 1	50	-	-1.71	-2.56	-4.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-6.51	-9.76	-15.47
Altoona, PA	Ozone	Maintenance	100	-	-1.13	-1.67	-2.25
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-2.22	-3.33	-5.28
Anchorage, AK	CO	Maintenance	100	-	-1.67	-2.50	-3.96
Anthony, NM	PM ₁₀	Moderate	100	-	-0.08	-0.12	-0.19
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.05	-0.08	-0.13
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.08	-0.12	-0.19
Atlanta, GA	Ozone	Moderate	50	-	-77.17	-115.63	-183.30
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-77.21	-115.67	-183.38
Atlantic City, NJ	CO	Maintenance	100	-	-0.54	-0.82	-1.29
Bakersfield, CA	CO	Maintenance	100	-	-22.49	-28.32	26.23
Baltimore, MD	CO	Maintenance	100	-	-0.11	-0.16	-0.25
Baltimore, MD	Ozone	Moderate	50	-	-33.78	-50.62	-80.24
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-33.78	-50.62	-80.24
Baton Rouge, LA	Ozone	Moderate	50	-	-194.85	-233.96	396.66
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2,602.72	-3,093.89	5,761.58
Benton County, TN	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Benton Harbor, MI	Ozone	Maintenance	100	-	-1.80	-2.69	-4.27
Benzie County, MI	Ozone	Maintenance	100	-	-0.28	-0.42	-0.67
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-1.66	-2.49	-3.95
Billings, MT	CO	Maintenance	100	-	-369.91	-439.78	817.94
Birmingham, AL	Ozone	Maintenance	100	-	-11.15	-16.58	-24.60
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-11.19	-16.63	-24.69

Appendix B

**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-3.73	-5.59	-8.86
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-3.73	-5.59	-8.86
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.20	-0.31	-0.48
Boston, MA	CO	Maintenance	100	-	-9.20	-13.78	-21.85
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-56.25	-84.27	-133.59
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-7.36	-11.02	-17.47
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.10	-0.15	-0.24
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-12.32	-18.46	-29.26
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.11	-0.18
Butte, MT	PM ₁₀	Moderate	100	-	-0.20	-0.30	-0.48
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.23	-0.35	-0.56
Canton-Massillon, OH	Ozone	Maintenance	100	-	-20.30	-25.07	31.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-20.30	-25.07	31.00
Case County, MI	Ozone	Maintenance	100	-	-0.46	-0.69	-1.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.06	-0.09	-0.14
Charleston, WV	Ozone	Maintenance	100	-	-2.79	-4.18	-6.62
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-2.79	-4.18	-6.62
Charlotte, NC	CO	Maintenance	100	-	-8.55	-12.81	-20.31
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-18.87	-28.28	-44.83
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-5.84	-8.75	-13.82
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-5.37	-8.04	-12.70
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-1,768.78	-2,126.26	3,564.19
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-1,771.46	-2,130.29	3,557.81
Chico, CA	CO	Maintenance	100	-	-1.43	-2.14	-3.39
Chico, CA	Ozone	Former Subpart 1	50	-	-3.14	-4.70	-7.45
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-21.68	-32.48	-51.49
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-21.01	-31.48	-49.90
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.13	-0.20	-0.32

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**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Clark County, NV	PM ₁₀	Serious	70	-	-18.30	-27.42	-43.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-2.97	-4.45	-7.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-1.92	-2.88	-4.56
Cleveland, OH	CO	Maintenance	100	-	-9.29	-13.92	-22.07
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-27.32	-40.93	-64.89
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-25.08	-37.58	-59.57
Coachella Valley, CA	PM ₁₀	Serious	70	-	-8.13	-12.19	-19.32
Colbert County, AL	SO _x	Maintenance	100	-	-0.59	-0.88	-1.40
Colorado Springs, CO	CO	Maintenance	100	-	-6.97	-10.45	-16.56
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.07	-0.10	-0.16
Columbia, SC	Ozone	Former Subpart 1	50	-	-7.15	-10.71	-16.98
Columbus, OH	Ozone	Maintenance	100	-	-19.50	-29.22	-46.32
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-18.13	-27.17	-43.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.03	-0.05	-0.07
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-9.29	-13.92	-22.07
Cuyahoga County, OH	SO _x	Maintenance	100	-	-7.73	-11.57	-18.35
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-82.44	-123.52	-195.82
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-8.70	-13.04	-20.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-7.67	-11.49	-18.21
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-223.33	-276.16	335.94
Denver-Boulder, CO	CO	Maintenance	100	-	-221.80	-273.87	339.56
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-230.52	-286.93	318.86
Detroit, MI	CO	Maintenance	100	-	-75.53	-94.64	95.20
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-135.50	-176.65	69.10
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-134.56	-175.23	71.34
Door County, WI	Ozone	Former Subpart 1	50	-	-0.42	-0.63	-1.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.38	-0.56	-0.89
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.30	-0.45	-0.72

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Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Duluth, MN	CO	Maintenance	100	-	-0.84	-1.25	-1.98
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.10	-0.15	-0.25
East Chicago, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-439.66	-523.07	966.65
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.03
El Paso County, TX	PM ₁₀	Moderate	100	-	-55.73	-67.92	98.61
El Paso, TX	CO	Maintenance	100	-	-0.34	-0.51	-0.81
Erie, PA	Ozone	Maintenance	100	-	-2.38	-3.57	-5.66
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.04
Eugene-Springfield, OR	CO	Maintenance	100	-	-2.59	-3.88	-6.15
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-2.48	-3.72	-5.90
Evansville, IN	Ozone	Maintenance	100	-	-2.73	-4.09	-6.48
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-3.48	-5.21	-8.26
Fairbanks, AK	CO	Maintenance	100	-	-0.21	-0.31	-0.49
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.22	-4.83	-7.66
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.13	-0.20
Flint, MI	Ozone	Maintenance	100	-	-5.51	-8.26	-13.09
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-2.11	-3.16	-5.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-4.00	-5.99	-9.49
Franklin County, PA	Ozone	Maintenance	100	-	-1.70	-2.55	-4.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Frederick County, VA	Ozone	Former Subpart 1	50	-	-1.44	-2.15	-3.41
Fredericksburg, VA	Ozone	Maintenance	100	-	-5.01	-7.51	-11.90
Freehold, NJ	CO	Maintenance	100	-	-0.22	-0.32	-0.51
Fresno, CA	CO	Maintenance	100	-	-6.91	-10.35	-16.42
Grand Rapids, MI	Ozone	Maintenance	100	-	-9.26	-13.87	-21.98
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.41	-0.61	-0.97

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Table B.1-235							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Sulfur Dioxide (SO₂) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Grant County, NM	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.39	-0.59	-0.93
Great Falls, MT	CO	Maintenance	100	-	-0.19	-0.28	-0.45
Greater Connecticut, CT	Ozone	Moderate	50	-	-17.48	-26.18	-41.51
Greeley, CO	CO	Maintenance	100	-	-1.42	-2.12	-3.37
Green Bay, WI	SO _x	Maintenance	100	-	-1.37	-2.05	-3.25
Greene County, IN	Ozone	Maintenance	100	-	-0.53	-0.79	-1.26
Greene County, PA	Ozone	Maintenance	100	-	-0.48	-0.71	-1.13
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-17.50	-26.22	-41.56
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-8.57	-12.84	-20.35
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-9.45	-14.16	-22.45
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.24	-0.36	-0.57
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-1.27	-1.90	-3.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-9.70	-14.53	-23.03
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-8.94	-13.39	-21.23
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-11.16	-16.73	-26.52
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.12	-0.18	-0.28
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.47	-0.71	-1.12
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.05	-0.08	-0.13
Hazelwood, PA	SO _x	Maintenance	100	-	-0.43	-0.65	-1.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-1.84	-2.76	-4.38
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-3.09	-4.64	-7.35
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.04	-0.06
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-820.30	-994.44	1,529.08
Humphreys County, TN	SO _x	Maintenance	100	-	-0.03	-0.04	-0.07
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-44.80	-54.20	85.14
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-43.31	-51.96	88.69

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**Table B.1-235
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Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Huron County, MI	Ozone	Maintenance	100	-	-0.30	-0.44	-0.70
Imperial County, CA	Ozone	Moderate	50	-	-2.65	-3.97	-6.30
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.60	-3.89	-6.16
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.35	-0.53	-0.84
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Indianapolis, IN	Ozone	Maintenance	100	-	-22.62	-33.89	-53.73
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-17.97	-26.92	-42.68
Jackson County, IN	Ozone	Maintenance	100	-	-0.84	-1.27	-2.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	-1.65	-2.48	-3.93
Jefferson County, NY	Ozone	Moderate	50	-	-1.33	-2.00	-3.16
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.18
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-2.28	-3.41	-5.40
Johnstown, PA	Ozone	Maintenance	100	-	-0.94	-1.41	-2.24
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.04	-1.56	-2.47
Juneau, AK	PM ₁₀	Moderate	100	-	-0.14	-0.20	-0.32
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-5.39	-8.07	-12.79
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.35	-0.52	-0.83
Kansas City, MO-KS	Ozone	Maintenance	100	-	-18.88	-28.28	-44.82
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-1.63	-2.45	-3.88
Kent, WA	PM ₁₀	Maintenance	100	-	-0.30	-0.45	-0.71
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.89	-1.34	-2.12
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.26	-0.39	-0.62
King County, WA	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.28
Klamath Falls, OR	CO	Maintenance	100	-	-0.52	-0.78	-1.24
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.52	-0.78	-1.24
Knoxville, TN	Ozone	Former Subpart 1	50	-	-13.89	-20.81	-32.99
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-10.59	-15.87	-25.16
La Porte County, IN	SO _x	Maintenance	100	-	-0.35	-0.53	-0.84
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.16	-0.24	-0.38

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Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Lake County, IN	SO _x	Maintenance	100	-	-3.13	-4.69	-7.44
Lake County, OH	SO _x	Maintenance	100	-	-0.38	-0.57	-0.90
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.06	-0.09	-0.15
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.40	-0.60	-0.94
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.87	-1.30	-2.07
Lake Tahoe, NV	CO	Maintenance	100	-	-0.22	-0.33	-0.52
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.22
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lancaster, PA	Ozone	Maintenance	100	-	-5.00	-7.49	-11.87
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-5.00	-7.49	-11.87
Lane County, OR	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-5.19	-7.77	-12.32
LaPorte, IN	Ozone	Maintenance	100	-	-0.98	-1.47	-2.34
Las Vegas, NV	CO	Serious	100	-	-18.30	-27.42	-43.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-18.53	-27.76	-44.01
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.91	-1.36	-2.16
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.04
Libby, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.10
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.06	-0.09	-0.14
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.13	-0.20	-0.32
Lima, OH	Ozone	Maintenance	100	-	-277.23	-329.77	610.50
Longmont, CO	CO	Maintenance	100	-	-1.10	-1.65	-2.61
Lorain County, OH	SO _x	Maintenance	100	-	-0.50	-0.75	-1.19
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-764.50	-962.88	890.10
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-764.50	-962.88	890.10
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-764.50	-962.88	890.10
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-764.50	-962.89	890.09
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-764.49	-962.87	890.11
Los Angeles-San Bernardino Counties (western Mohave),	Ozone	Moderate	50	-	-8.04	-12.04	-19.09

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Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
CA							
Louisville, KY-IN	Ozone	Maintenance	100	-	-12.02	-18.00	-28.54
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-11.52	-17.26	-27.37
Lowell, MA	CO	Maintenance	100	-	-1.29	-1.93	-3.07
Lucas County, OH	SO _x	Maintenance	100	-	-3.05	-4.57	-7.25
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.64	-0.95	-1.51
Macon, GA	Ozone	Maintenance	100	-	-2.11	-3.17	-5.02
Macon, GA	PM _{2.5}	Nonattainment	100	-	-2.09	-3.13	-4.96
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.03	-0.04	-0.07
Madison, WI	SO _x	Maintenance	100	-	-2.93	-4.38	-6.95
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.13	-0.20	-0.32
Manchester, NH	CO	Maintenance	100	-	-0.78	-1.17	-1.85
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.06	-1.59	-2.52
Marion County, IN	SO _x	Maintenance	100	-	-3.23	-4.84	-7.67
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.43	-2.14	-3.40
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-3.49	-5.22	-8.28
Mason County, MI	Ozone	Maintenance	100	-	-0.29	-0.44	-0.69
Medford, OR	CO	Maintenance	100	-	-0.95	-1.42	-2.25
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.27	-3.40	-5.40
Memphis, TN-AR	Ozone	Maintenance	100	-	-20.51	-27.57	-1.88
Memphis, TN	CO	Maintenance	100	-	-19.73	-26.40	-0.01
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.35	-0.53	-0.84
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.05	-0.08	-0.12
Milwaukee, WI	SO _x	Maintenance	100	-	-5.50	-8.24	-13.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-19.63	-29.42	-46.64
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-87.33	-113.83	44.70
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-31.55	-47.27	-74.93
Missoula, MT	CO	Maintenance	100	-	-0.69	-1.03	-1.64

Appendix B

Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Missoula, MT	PM ₁₀	Moderate	100	-	-0.67	-1.00	-1.58
Modesto, CA	CO	Maintenance	100	-	-3.83	-5.75	-9.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.30	-1.95	-3.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.03	-0.05	-0.08
Morristown, NJ	CO	Maintenance	100	-	-0.40	-0.59	-0.94
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.30	-0.45	-0.71
Muncie, IN	Ozone	Maintenance	100	-	-1.13	-1.70	-2.69
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.05	-0.08	-0.13
Muscatine County, IA	SO _x	Maintenance	100	-	-0.17	-0.25	-0.40
Muskegon, MI	Ozone	Maintenance	100	-	-1.42	-2.13	-3.38
Nashua, NH	CO	Maintenance	100	-	-0.63	-0.94	-1.49
Nashville, TN	Ozone	Former Subpart 1	50	-	-18.67	-27.98	-44.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.90	-2.84	-4.51
New Haven County, CT	PM ₁₀	Maintenance	100	-	-1.64	-2.46	-3.90
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-8.28	-12.41	-19.67
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.06	-0.09	-0.14
New York County, NY	PM ₁₀	Moderate	100	-	-4.63	-6.93	-10.99
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-132.80	-183.73	-89.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-220.96	-312.63	-251.81
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-219.52	-310.48	-248.40
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.46	-0.69	-1.09
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-130.07	-159.82	210.88
Ogden, UT	CO	Maintenance	100	-	-0.74	-1.11	-1.77
Ogden, UT	PM ₁₀	Moderate	100	-	-0.74	-1.11	-1.77
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.21	-0.32	-0.50
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.27	-1.90	-3.02

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Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.05	-0.07	-0.12
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-1.52	-2.27	-3.60
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.53	-2.29	-3.63
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.23	-0.34	-0.54
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-1.03	-1.55	-2.45
Perth Amboy, NJ	CO	Maintenance	100	-	-11.24	-13.65	20.51
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-3.90	-5.85	-9.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-464.18	-566.28	812.53
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-486.90	-600.33	758.55
Phoenix, AZ	CO	Maintenance	100	-	-61.99	-92.87	-147.23
Phoenix, AZ	PM ₁₀	Serious	70	-	-63.69	-95.42	-151.27
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-63.87	-95.70	-151.71
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.11	-0.16	-0.26
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.29	-0.43	-0.68
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-21.31	-31.83	-49.31
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-19.48	-29.10	-44.97
Polk County, TN	SO _x	Maintenance	100	-	-0.22	-0.33	-0.53
Polson, MT	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.08
Portland, ME	Ozone	Maintenance	100	-	-6.14	-9.20	-14.58
Portland, OR	CO	Maintenance	100	-	-13.60	-20.04	-27.31
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.46	-0.69	-1.10
Poughkeepsie, NY	Ozone	Moderate	50	-	-16.26	-24.35	-38.61
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.09	-0.14	-0.22
Providence (entire State), RI	Ozone	Moderate	50	-	-10.98	-16.45	-26.09
Provo, UT	CO	Maintenance	100	-	-1.94	-2.91	-4.62
Raleigh-Durham, NC	CO	Maintenance	100	-	-15.25	-22.85	-36.23

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**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-20.73	-31.06	-49.24
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Reading, PA	Ozone	Maintenance	100	-	-3.59	-5.38	-8.52
Reading, PA	PM _{2.5}	Nonattainment	100	-	-3.59	-5.38	-8.52
Reno, NV	CO	Maintenance	100	-	-2.67	-4.01	-6.35
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-13.30	-19.92	-31.58
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.60	-0.90	-1.43
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-8.13	-12.19	-19.32
Roanoke, VA	Ozone	Former Subpart 1	50	-	-2.76	-4.13	-6.55
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.90	-1.35	-2.15
Rochester, NY	Ozone	Former Subpart 1	50	-	-14.45	-21.64	-34.31
Rocky Mount, NC	Ozone	Maintenance	100	-	-1.94	-2.91	-4.62
Rome, GA	PM _{2.5}	Nonattainment	100	-	-1.28	-1.92	-3.05
Ronan, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.03
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06
Sacramento County, CA	PM ₁₀	Moderate	100	-	-18.58	-27.84	-44.13
Sacramento Metro, CA	Ozone	Severe	25	-	-34.08	-51.06	-80.95
Sacramento, CA	CO	Maintenance	100	-	-20.89	-31.29	-49.61
Salem, OR	CO	Maintenance	100	-	-1.40	-2.09	-3.32
Salt Lake City, UT	CO	Maintenance	100	-	-10.70	-13.45	12.74
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-19.84	-27.15	-8.98
Salt Lake County, UT	SO _x	Nonattainment	100	-	-11.54	-17.29	-27.41
San Antonio, TX	Ozone	Former Subpart 1	50	-	-21.13	-31.66	-50.16
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-4.99	-7.48	-11.85
San Diego, CA	CO	Maintenance	100	-	-50.50	-75.67	-119.96
San Diego, CA	Ozone	Former Subpart 1	50	-	-50.60	-75.81	-120.19
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,727.37	-2,075.66	3,493.07

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**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,736.89	-2,089.92	3,470.46
San Joaquin Valley, CA	Ozone	Extreme	10	-	-73.30	-104.45	-94.46
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-73.47	-104.70	-94.86
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-73.30	-104.45	-94.46
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.40	-0.60	-0.96
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-7.22	-10.82	-17.16
Seattle-Tacoma, WA	CO	Maintenance	100	-	-34.20	-51.23	-81.22
Sheboygan, WI	Ozone	Moderate	50	-	-1.33	-1.99	-3.16
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.23	-0.35	-0.55
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.20	-0.29	-0.46
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-4.88	-7.32	-11.60
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.61	-2.42	-3.83
Spokane County, WA	PM ₁₀	Maintenance	100	-	-3.38	-5.07	-8.03
Spokane, WA	CO	Maintenance	100	-	-3.34	-5.01	-7.94
Springfield (western MA), MA	Ozone	Moderate	50	-	-9.64	-14.44	-22.89
Springfield, MA	CO	Maintenance	100	-	-1.61	-2.41	-3.82
St. Louis, MO	CO	Maintenance	100	-	-8.87	-13.29	-21.07
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,442.83	-1,723.98	3,062.45
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,442.63	-1,723.68	3,062.93
State College, PA	Ozone	Maintenance	100	-	-1.96	-2.93	-4.65
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.24	-0.35	-0.56
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.43	-0.64	-1.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-13.06	-15.82	24.63
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-13.06	-15.82	24.63
Stockton, CA	CO	Maintenance	100	-	-5.79	-8.68	-13.76
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-5.38	-8.06	-12.78

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Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-1.30	-1.95	-3.09
Tioga County, PA	Ozone	Maintenance	100	-	-0.57	-0.86	-1.36
Toledo, OH	Ozone	Maintenance	100	-	-83.74	-101.27	159.67
Toms River, NJ	CO	Maintenance	100	-	-1.19	-1.78	-2.82
Tooele County, UT	SO _x	Nonattainment	100	-	-1.13	-1.70	-2.69
Trenton, NJ	CO	Maintenance	100	-	-0.97	-1.46	-2.31
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.09
Tucson, AZ	CO	Maintenance	100	-	-11.56	-17.31	-27.45
Utah County, UT	PM ₁₀	Moderate	100	-	-5.64	-8.45	-13.40
Vancouver, WA	CO	Maintenance	100	-	-3.75	-5.63	-8.92
Ventura County, CA	Ozone	Serious	50	-	-11.15	-16.43	-22.54
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.07	-0.11	-0.17
Vigo County, IN	SO _x	Maintenance	100	-	-1.30	-1.95	-3.09
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.61	-0.91	-1.44
Warren County, NJ	SO _x	Maintenance	100	-	-0.40	-0.59	-0.94
Warren County, PA	SO _x	Nonattainment	100	-	-0.14	-0.21	-0.34
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-2.28	-3.41	-5.41
Washington, DC-MD-VA	CO	Maintenance	100	-	-17.37	-26.03	-41.26
Washington, DC-MD-VA	Ozone	Moderate	50	-	-62.17	-93.15	-147.67
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-60.79	-91.09	-144.40
Washoe County, NV	PM ₁₀	Serious	70	-	-2.67	-4.01	-6.35
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.04	-0.06	-0.10
Wayne County, IN	SO _x	Maintenance	100	-	-0.70	-1.05	-1.66
Wayne County, MI	PM ₁₀	Maintenance	100	-	-29.11	-34.87	60.44
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.09	-0.13	-0.21
Weirton, WV	SO _x	Maintenance	100	-	-0.12	-0.18	-0.28
Wheeling, WV-OH	Ozone	Maintenance	100	-	-1.46	-2.19	-3.48

Appendix B

**Table B.1-235
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-1.46	-2.19	-3.48
Winston-Salem, NC	CO	Maintenance	100	-	-4.52	-6.78	-10.74
Worcester, MA	CO	Maintenance	100	-	-2.53	-3.80	-6.02
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.03	-1.55	-2.46
Yakima, WA	CO	Maintenance	100	-	-0.47	-0.70	-1.11
York, PA	Ozone	Maintenance	100	-	-5.01	-7.51	-11.91
York, PA	PM _{2.5}	Nonattainment	100	-	-3.89	-5.82	-9.23
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-6.42	-9.61	-15.24
Yuma, AZ	PM ₁₀	Moderate	100	-	-2.21	-3.31	-5.25

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.06
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.09	-0.11	-0.16
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.09	-0.11	-0.16
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-26.26	-33.14	-47.80
Albuquerque, NM	CO	Maintenance	100	-	-11.81	-14.90	-21.49
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.33	-4.20	-6.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.06	-15.22	-21.96
Altoona, PA	Ozone	Maintenance	100	-	-1.97	-2.45	-3.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-4.75	-5.99	-8.65
Anchorage, AK	CO	Maintenance	100	-	-3.20	-4.04	-5.82
Anthony, NM	PM ₁₀	Moderate	100	-	-0.15	-0.18	-0.26
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.10	-0.13	-0.18
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.16	-0.20	-0.28
Atlanta, GA	Ozone	Moderate	50	-	-148.67	-187.61	-270.60
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-148.72	-187.67	-270.68
Atlantic City, NJ	CO	Maintenance	100	-	-0.97	-1.23	-1.77
Bakersfield, CA	CO	Maintenance	100	-	-43.99	-47.73	23.15
Baltimore, MD	CO	Maintenance	100	-	-0.19	-0.24	-0.35
Baltimore, MD	Ozone	Moderate	50	-	-64.07	-80.85	-116.62
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-64.07	-80.85	-116.62
Baton Rouge, LA	Ozone	Moderate	50	-	-381.27	-397.08	420.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5,103.28	-5,271.78	6,192.42
Benton County, TN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.04
Benton Harbor, MI	Ozone	Maintenance	100	-	-3.04	-3.83	-5.53
Benzie County, MI	Ozone	Maintenance	100	-	-0.57	-0.72	-1.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-3.17	-4.00	-5.77
Billings, MT	CO	Maintenance	100	-	-725.30	-749.34	878.85
Birmingham, AL	Ozone	Maintenance	100	-	-20.06	-25.13	-34.07

Appendix B

Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-20.14	-25.22	-34.20
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-7.16	-9.03	-13.03
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-7.16	-9.03	-13.03
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.42	-0.53	-0.76
Boston, MA	CO	Maintenance	100	-	-16.84	-21.25	-30.65
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-104.44	-131.79	-190.08
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-13.94	-17.59	-25.38
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.18	-0.22	-0.32
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-22.26	-28.09	-40.52
Burlington, NJ	CO	Maintenance	100	-	-0.09	-0.12	-0.17
Butte, MT	PM ₁₀	Moderate	100	-	-0.33	-0.42	-0.61
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.48	-0.60	-0.87
Canton-Massillon, OH	Ozone	Maintenance	100	-	-39.21	-41.73	31.31
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-39.21	-41.73	31.31
Case County, MI	Ozone	Maintenance	100	-	-0.83	-1.05	-1.52
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.02	-0.02	-0.03
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.10	-0.12	-0.18
Charleston, WV	Ozone	Maintenance	100	-	-4.76	-6.01	-8.67
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-4.76	-6.01	-8.67
Charlotte, NC	CO	Maintenance	100	-	-16.57	-20.90	-30.15
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-36.20	-45.68	-65.89
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-10.56	-13.32	-19.15
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-9.79	-12.34	-17.74
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-3,462.63	-3,610.07	3,762.70
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-3,467.67	-3,616.44	3,753.51
Chico, CA	CO	Maintenance	100	-	-3.07	-3.87	-5.58
Chico, CA	Ozone	Former Subpart 1	50	-	-6.43	-8.11	-11.70
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-40.20	-50.73	-73.17

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**Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-38.90	-49.09	-70.81
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.21	-0.26	-0.37
Clark County, NV	PM ₁₀	Serious	70	-	-36.79	-46.42	-66.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-5.69	-7.18	-10.35
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-3.47	-4.37	-6.31
Cleveland, OH	CO	Maintenance	100	-	-15.64	-19.74	-28.47
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-49.10	-61.95	-89.36
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-44.90	-56.65	-81.71
Coachella Valley, CA	PM ₁₀	Serious	70	-	-16.83	-21.24	-30.64
Colbert County, AL	SO _x	Maintenance	100	-	-0.99	-1.24	-1.79
Colorado Springs, CO	CO	Maintenance	100	-	-13.69	-17.27	-24.91
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.13	-0.17	-0.24
Columbia, SC	Ozone	Former Subpart 1	50	-	-13.33	-16.82	-24.26
Columbus, OH	Ozone	Maintenance	100	-	-37.78	-47.67	-68.76
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-35.18	-44.40	-64.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.06	-0.08
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-15.64	-19.74	-28.47
Cuyahoga County, OH	SO _x	Maintenance	100	-	-13.49	-17.02	-24.55
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-162.00	-204.42	-294.86
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-15.37	-19.39	-27.97
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-13.50	-17.03	-24.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-437.40	-467.23	326.83
Denver-Boulder, CO	CO	Maintenance	100	-	-434.40	-463.44	332.30
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-451.44	-484.94	301.29
Detroit, MI	CO	Maintenance	100	-	-158.40	-169.16	118.79
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-259.69	-289.46	34.17
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-257.95	-287.26	37.34

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**Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.81	-1.02	-1.47
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.67	-0.84	-1.21
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.55	-0.69	-1.00
Duluth, MN	CO	Maintenance	100	-	-1.46	-1.84	-2.66
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.21	-0.26	-0.37
East Chicago, IN	CO	Maintenance	100	-	-0.02	-0.02	-0.03
East Chicago, IN	PM ₁₀	Maintenance	100	-	-861.77	-890.81	1,037.94
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.04
El Paso County, TX	PM ₁₀	Moderate	100	-	-108.87	-114.80	101.22
El Paso, TX	CO	Maintenance	100	-	-0.61	-0.77	-1.12
Erie, PA	Ozone	Maintenance	100	-	-4.23	-5.34	-7.70
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.04	-0.05	-0.07
Eugene-Springfield, OR	CO	Maintenance	100	-	-4.92	-6.20	-8.95
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-4.72	-5.96	-8.60
Evansville, IN	Ozone	Maintenance	100	-	-4.97	-6.27	-9.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-6.27	-7.91	-11.41
Fairbanks, AK	CO	Maintenance	100	-	-0.40	-0.51	-0.73
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-5.95	-7.51	-10.83
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.17	-0.21	-0.31
Flint, MI	Ozone	Maintenance	100	-	-9.91	-12.50	-18.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.02
Fort Collins, CO	CO	Maintenance	100	-	-4.17	-5.26	-7.59
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Fort Wayne, IN	Ozone	Maintenance	100	-	-7.39	-9.32	-13.44
Franklin County, PA	Ozone	Maintenance	100	-	-3.21	-4.05	-5.84
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.03
Frederick County, VA	Ozone	Former Subpart 1	50	-	-2.66	-3.36	-4.85
Fredericksburg, VA	Ozone	Maintenance	100	-	-10.00	-12.62	-18.21

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.46	-0.58	-0.84
Fresno, CA	CO	Maintenance	100	-	-13.39	-16.89	-24.37
Grand Rapids, MI	Ozone	Maintenance	100	-	-17.69	-22.32	-32.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-0.68	-0.86	-1.25
Grant County, NM	SO _x	Maintenance	100	-	-0.04	-0.05	-0.08
Grants Pass, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.79	-0.99	-1.43
Great Falls, MT	CO	Maintenance	100	-	-0.30	-0.38	-0.55
Greater Connecticut, CT	Ozone	Moderate	50	-	-31.46	-39.70	-57.26
Greeley, CO	CO	Maintenance	100	-	-2.73	-3.44	-4.96
Green Bay, WI	SO _x	Maintenance	100	-	-2.53	-3.20	-4.61
Greene County, IN	Ozone	Maintenance	100	-	-0.98	-1.23	-1.77
Greene County, PA	Ozone	Maintenance	100	-	-0.85	-1.07	-1.55
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-31.90	-40.25	-58.06
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-15.48	-19.54	-28.18
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-16.87	-21.29	-30.70
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.44	-0.56	-0.80
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.34	-2.95	-4.25
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-18.43	-23.26	-33.55
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-16.98	-21.43	-30.91
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-19.82	-25.01	-36.07
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.24	-0.30	-0.43
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.95	-1.20	-1.72
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.10	-0.13	-0.18
Hazelwood, PA	SO _x	Maintenance	100	-	-0.81	-1.02	-1.47
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-3.23	-4.08	-5.89
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-5.54	-6.99	-10.08
Hollis Township, IL	SO _x	Maintenance	100	-	-0.04	-0.05	-0.08

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,604.72	-1,684.91	1,586.52
Humphreys County, TN	SO _x	Maintenance	100	-	-0.06	-0.07	-0.10
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-87.20	-91.30	89.56
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-84.48	-87.88	94.51
Huron County, MI	Ozone	Maintenance	100	-	-0.52	-0.66	-0.95
Imperial County, CA	Ozone	Moderate	50	-	-5.30	-6.68	-9.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.19	-6.55	-9.45
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.62	-0.78	-1.13
Indianapolis, IN	CO	Maintenance	100	-	-0.01	-0.02	-0.03
Indianapolis, IN	Ozone	Maintenance	100	-	-42.87	-54.10	-78.03
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-34.12	-43.06	-62.11
Jackson County, IN	Ozone	Maintenance	100	-	-1.53	-1.92	-2.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	-2.98	-3.76	-5.43
Jefferson County, NY	Ozone	Moderate	50	-	-2.43	-3.06	-4.42
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.12	-0.15	-0.21
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-4.05	-5.11	-7.38
Johnstown, PA	Ozone	Maintenance	100	-	-1.48	-1.87	-2.70
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-1.63	-2.06	-2.97
Juneau, AK	PM ₁₀	Moderate	100	-	-0.28	-0.36	-0.51
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-9.73	-12.28	-17.72
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.69	-0.87	-1.25
Kansas City, MO-KS	Ozone	Maintenance	100	-	-35.87	-45.26	-65.28
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-3.12	-3.93	-5.68
Kent, WA	PM ₁₀	Maintenance	100	-	-0.60	-0.76	-1.09
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.62	-2.04	-2.94
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.46	-0.59	-0.84
King County, WA	PM ₁₀	Maintenance	100	-	-0.23	-0.29	-0.42
Klamath Falls, OR	CO	Maintenance	100	-	-0.93	-1.17	-1.69

Appendix B

Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.93	-1.17	-1.69
Knoxville, TN	Ozone	Former Subpart 1	50	-	-27.05	-34.13	-49.24
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-20.40	-25.74	-37.12
La Porte County, IN	SO _x	Maintenance	100	-	-0.61	-0.77	-1.11
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.30	-0.38	-0.54
Lake County, IN	SO _x	Maintenance	100	-	-5.46	-6.89	-9.94
Lake County, OH	SO _x	Maintenance	100	-	-0.68	-0.86	-1.24
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.11	-0.14	-0.20
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.86	-1.08	-1.56
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-1.95	-2.46	-3.55
Lake Tahoe, NV	CO	Maintenance	100	-	-0.39	-0.50	-0.71
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.17	-0.21	-0.30
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Lancaster, PA	Ozone	Maintenance	100	-	-9.34	-11.79	-17.00
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-9.34	-11.79	-17.00
Lane County, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.04
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-9.54	-12.04	-17.36
LaPorte, IN	Ozone	Maintenance	100	-	-1.69	-2.13	-3.07
Las Vegas, NV	CO	Serious	100	-	-36.79	-46.42	-66.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-37.17	-46.90	-67.65
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.59	-2.01	-2.90
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.03	-0.04	-0.06
Libby, MT	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.14
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.10	-0.13	-0.18
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.20	-0.26	-0.37
Lima, OH	Ozone	Maintenance	100	-	-543.44	-561.67	655.66
Longmont, CO	CO	Maintenance	100	-	-2.22	-2.80	-4.04
Lorain County, OH	SO _x	Maintenance	100	-	-0.93	-1.17	-1.68

Appendix B

**Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,492.93	-1,619.29	790.00
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1,492.93	-1,619.29	790.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,492.93	-1,619.29	790.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,492.93	-1,619.29	790.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,492.92	-1,619.27	790.03
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-15.62	-19.71	-28.42
Louisville, KY-IN	Ozone	Maintenance	100	-	-21.68	-27.35	-39.45
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-20.61	-26.01	-37.51
Lowell, MA	CO	Maintenance	100	-	-2.51	-3.16	-4.56
Lucas County, OH	SO _x	Maintenance	100	-	-5.29	-6.67	-9.62
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.11	-1.40	-2.01
Macon, GA	Ozone	Maintenance	100	-	-3.62	-4.57	-6.60
Macon, GA	PM _{2.5}	Nonattainment	100	-	-3.58	-4.51	-6.51
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.05	-0.06	-0.09
Madison, WI	SO _x	Maintenance	100	-	-5.82	-7.34	-10.59
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.30	-0.38	-0.55
Manchester, NH	CO	Maintenance	100	-	-1.29	-1.63	-2.35
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.89	-2.38	-3.43
Marion County, IN	SO _x	Maintenance	100	-	-5.66	-7.14	-10.30
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-2.96	-3.73	-5.38
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-6.44	-8.12	-11.71
Mason County, MI	Ozone	Maintenance	100	-	-0.54	-0.69	-0.99
Medford, OR	CO	Maintenance	100	-	-1.91	-2.41	-3.47
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-4.60	-5.81	-8.38
Memphis, TN-AR	Ozone	Maintenance	100	-	-38.10	-43.50	-8.63
Memphis, TN	CO	Maintenance	100	-	-36.79	-41.85	-6.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.70	-0.88	-1.27

Appendix B

Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.09	-0.11	-0.16
Milwaukee, WI	SO _x	Maintenance	100	-	-9.79	-12.35	-17.82
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-36.52	-46.08	-66.46
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-169.04	-188.65	19.11
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-59.68	-75.31	-108.61
Missoula, MT	CO	Maintenance	100	-	-1.30	-1.64	-2.36
Missoula, MT	PM ₁₀	Moderate	100	-	-1.25	-1.58	-2.28
Modesto, CA	CO	Maintenance	100	-	-7.73	-9.76	-14.07
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-2.68	-3.38	-4.87
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.04	-0.05	-0.07
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.11
Morristown, NJ	CO	Maintenance	100	-	-0.82	-1.03	-1.49
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.52	-0.65	-0.94
Muncie, IN	Ozone	Maintenance	100	-	-1.88	-2.37	-3.42
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.12	-0.15	-0.21
Muscatine County, IA	SO _x	Maintenance	100	-	-0.32	-0.40	-0.58
Muskegon, MI	Ozone	Maintenance	100	-	-2.64	-3.33	-4.80
Nashua, NH	CO	Maintenance	100	-	-1.06	-1.33	-1.92
Nashville, TN	Ozone	Former Subpart 1	50	-	-35.69	-45.04	-64.97
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-4.07	-5.14	-7.41
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.30	-4.17	-6.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-14.78	-18.65	-26.90
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.11	-0.14	-0.20
New York County, NY	PM ₁₀	Moderate	100	-	-7.96	-10.04	-14.49
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-247.91	-290.75	-158.56
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-413.34	-494.89	-398.48
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-410.60	-491.43	-393.49
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.87	-1.10	-1.59

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-252.79	-268.15	213.67
Ogden, UT	CO	Maintenance	100	-	-1.33	-1.68	-2.42
Ogden, UT	PM ₁₀	Moderate	100	-	-1.33	-1.68	-2.42
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.06
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.35	-0.44	-0.64
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-2.50	-3.15	-4.55
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.12	-0.15	-0.22
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-2.69	-3.39	-4.89
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.71	-3.42	-4.93
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.44	-0.55	-0.79
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Peoria, IL	SO _x	Maintenance	100	-	-1.81	-2.29	-3.30
Perth Amboy, NJ	CO	Maintenance	100	-	-22.16	-23.35	20.83
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-6.63	-8.37	-12.07
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-903.23	-952.50	838.19
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-945.13	-1,005.38	761.91
Phoenix, AZ	CO	Maintenance	100	-	-131.25	-165.62	-238.89
Phoenix, AZ	PM ₁₀	Serious	70	-	-134.59	-169.83	-244.96
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-134.92	-170.25	-245.56
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.18	-0.23	-0.33
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.02	-0.02	-0.03
Pittsburgh, PA	CO	Maintenance	100	-	-0.65	-0.82	-1.18
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-37.97	-47.79	-67.43
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-34.72	-43.68	-61.50
Polk County, TN	SO _x	Maintenance	100	-	-0.40	-0.51	-0.73
Polson, MT	PM ₁₀	Moderate	100	-	-0.07	-0.09	-0.13
Portland, ME	Ozone	Maintenance	100	-	-11.31	-14.27	-20.58

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-24.98	-31.03	-38.99
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.82	-1.04	-1.50
Poughkeepsie, NY	Ozone	Moderate	50	-	-32.13	-40.54	-58.47
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.16	-0.20	-0.29
Providence (entire State), RI	Ozone	Moderate	50	-	-20.63	-26.03	-37.55
Provo, UT	CO	Maintenance	100	-	-3.84	-4.84	-6.99
Raleigh-Durham, NC	CO	Maintenance	100	-	-29.74	-37.53	-54.13
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-40.32	-50.87	-73.38
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.03	-0.04	-0.06
Reading, PA	Ozone	Maintenance	100	-	-6.54	-8.25	-11.90
Reading, PA	PM _{2.5}	Nonattainment	100	-	-6.54	-8.25	-11.90
Reno, NV	CO	Maintenance	100	-	-4.94	-6.23	-8.98
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.05
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-24.40	-30.79	-44.42
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.23	-1.55	-2.24
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-16.83	-21.24	-30.64
Roanoke, VA	Ozone	Former Subpart 1	50	-	-4.92	-6.21	-8.95
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.70	-2.15	-3.10
Rochester, NY	Ozone	Former Subpart 1	50	-	-26.38	-33.29	-48.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-3.45	-4.36	-6.28
Rome, GA	PM _{2.5}	Nonattainment	100	-	-2.32	-2.93	-4.23
Ronan, MT	PM ₁₀	Moderate	100	-	-0.03	-0.03	-0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.05	-0.06	-0.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	-37.87	-47.78	-68.92
Sacramento Metro, CA	Ozone	Severe	25	-	-70.26	-88.66	-127.88
Sacramento, CA	CO	Maintenance	100	-	-42.62	-53.78	-77.57
Salem, OR	CO	Maintenance	100	-	-2.51	-3.17	-4.57
Salt Lake City, UT	CO	Maintenance	100	-	-20.82	-22.55	11.54

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-38.03	-44.26	-19.78
Salt Lake County, UT	SO _x	Nonattainment	100	-	-21.76	-27.46	-39.60
San Antonio, TX	Ozone	Former Subpart 1	50	-	-40.31	-50.86	-73.32
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-9.49	-11.98	-17.27
San Diego, CA	CO	Maintenance	100	-	-101.36	-127.90	-184.48
San Diego, CA	Ozone	Former Subpart 1	50	-	-101.56	-128.15	-184.84
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-3,386.43	-3,530.49	3,681.75
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-3,404.14	-3,552.84	3,649.51
San Joaquin Valley, CA	Ozone	Extreme	10	-	-147.29	-178.08	-164.86
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-147.54	-178.39	-165.31
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-147.29	-178.08	-164.86
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.80	-1.01	-1.45
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.02
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-13.19	-16.65	-24.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	-65.52	-82.68	-119.25
Sheboygan, WI	Ozone	Moderate	50	-	-2.50	-3.16	-4.55
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.42	-0.52	-0.76
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.37	-0.47	-0.67
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-8.92	-11.26	-16.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-2.38	-3.01	-4.34
Spokane County, WA	PM ₁₀	Maintenance	100	-	-6.45	-8.14	-11.74
Spokane, WA	CO	Maintenance	100	-	-6.38	-8.05	-11.61
Springfield (western MA), MA	Ozone	Moderate	50	-	-17.61	-22.22	-32.04
Springfield, MA	CO	Maintenance	100	-	-3.10	-3.91	-5.63
St. Louis, MO	CO	Maintenance	100	-	-14.58	-18.40	-26.54
St. Louis, MO-IL	Ozone	Moderate	50	-	-2,823.59	-2,928.45	3,272.06
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-2,823.22	-2,927.99	3,272.72

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Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-3.76	-4.75	-6.85
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.49	-0.62	-0.90
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.72	-0.91	-1.31
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-25.35	-26.55	25.99
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-25.35	-26.55	25.99
Stockton, CA	CO	Maintenance	100	-	-12.01	-15.16	-21.86
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-9.56	-12.06	-17.40
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.05	-0.06	-0.09
Terre Haute, IN	Ozone	Maintenance	100	-	-2.18	-2.75	-3.97
Tioga County, PA	Ozone	Maintenance	100	-	-0.99	-1.25	-1.81
Toledo, OH	Ozone	Maintenance	100	-	-163.12	-170.78	167.85
Toms River, NJ	CO	Maintenance	100	-	-2.40	-3.03	-4.37
Tooele County, UT	SO _x	Nonattainment	100	-	-2.14	-2.70	-3.89
Trenton, NJ	CO	Maintenance	100	-	-1.83	-2.31	-3.33
Trona, CA	PM ₁₀	Moderate	100	-	-0.08	-0.10	-0.14
Tucson, AZ	CO	Maintenance	100	-	-22.44	-28.32	-40.85
Utah County, UT	PM ₁₀	Moderate	100	-	-10.96	-13.83	-19.94
Vancouver, WA	CO	Maintenance	100	-	-7.47	-9.43	-13.60
Ventura County, CA	Ozone	Serious	50	-	-22.43	-27.92	-35.73
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.12	-0.16	-0.22
Vigo County, IN	SO _x	Maintenance	100	-	-2.18	-2.75	-3.97
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-1.10	-1.39	-2.01
Warren County, NJ	SO _x	Maintenance	100	-	-0.74	-0.93	-1.35
Warren County, PA	SO _x	Nonattainment	100	-	-0.24	-0.30	-0.43
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-4.13	-5.21	-7.51
Washington, DC-MD-VA	CO	Maintenance	100	-	-33.45	-42.21	-60.89

Appendix B

Table B.1-236
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Sulfur Dioxide (SO₂) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-119.88	-151.27	-218.19
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-117.10	-147.77	-213.14
Washoe County, NV	PM ₁₀	Serious	70	-	-4.94	-6.23	-8.98
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.08	-0.10	-0.14
Wayne County, IN	SO _x	Maintenance	100	-	-1.17	-1.47	-2.12
Wayne County, MI	PM ₁₀	Maintenance	100	-	-67.30	-70.06	74.41
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.12	-0.15	-0.22
Weirton, WV	SO _x	Maintenance	100	-	-0.17	-0.22	-0.31
Wheeling, WV-OH	Ozone	Maintenance	100	-	-2.44	-3.08	-4.44
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-2.44	-3.08	-4.44
Winston-Salem, NC	CO	Maintenance	100	-	-8.40	-10.60	-15.29
Worcester, MA	CO	Maintenance	100	-	-5.00	-6.31	-9.10
Yakima County, WA	PM ₁₀	Maintenance	100	-	-1.93	-2.43	-3.51
Yakima, WA	CO	Maintenance	100	-	-0.95	-1.20	-1.73
York, PA	Ozone	Maintenance	100	-	-9.50	-11.99	-17.29
York, PA	PM _{2.5}	Nonattainment	100	-	-7.35	-9.27	-13.37
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-10.95	-13.82	-19.93
Yuma, AZ	PM ₁₀	Moderate	100	-	-4.36	-5.51	-7.94

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.08	-0.11	-0.21
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.16
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.06	-0.09	-0.17
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-21.32	-29.50	-55.89
Albuquerque, NM	CO	Maintenance	100	-	-8.62	-11.94	-22.70
Allegan County, MI	Ozone	Former Subpart 1	50	-	-3.64	-5.03	-9.44
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-6.46	-8.97	-17.23
Altoona, PA	Ozone	Maintenance	100	-	-3.28	-4.53	-8.48
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-0.70	-0.98	-1.99
Anchorage, AK	CO	Maintenance	100	-	-5.73	-7.89	-14.73
Anthony, NM	PM ₁₀	Moderate	100	-	-0.29	-0.40	-0.74
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.02	-0.03	-0.06
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.26	-0.36	-0.67
Atlanta, GA	Ozone	Moderate	50	-	-103.21	-142.91	-271.19
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-103.37	-143.13	-271.60
Atlantic City, NJ	CO	Maintenance	100	-	-0.37	-0.51	-1.00
Bakersfield, CA	CO	Maintenance	100	-	-12.43	-17.16	-32.17
Baltimore, MD	CO	Maintenance	100	-	-0.25	-0.35	-0.66
Baltimore, MD	Ozone	Moderate	50	-	-23.91	-33.33	-64.80
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-23.91	-33.32	-64.80
Baton Rouge, LA	Ozone	Moderate	50	-	-53.45	-73.60	-136.71
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-88.74	-122.08	-225.91
Benton County, TN	SO _x	Maintenance	100	-	-0.10	-0.14	-0.26
Benton Harbor, MI	Ozone	Maintenance	100	-	-7.03	-9.70	-18.12
Benzie County, MI	Ozone	Maintenance	100	-	-0.70	-0.96	-1.80
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-4.71	-6.49	-12.15
Billings, MT	CO	Maintenance	100	-	-23.97	-32.98	-60.98
Birmingham, AL	Ozone	Maintenance	100	-	-15.48	-21.44	-40.72

Appendix B

Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-15.58	-21.57	-40.98
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-13.35	-18.41	-34.35
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-13.35	-18.41	-34.35
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.58	-0.80	-1.49
Boston, MA	CO	Maintenance	100	-	-7.31	-10.18	-19.75
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-34.13	-47.69	-93.69
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-3.35	-4.70	-9.39
Boyd County (part), KY	SO _x	Maintenance	100	-	-1.40	-1.92	-3.56
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-14.64	-20.31	-38.79
Burlington, NJ	CO	Maintenance	100	-	-0.07	-0.09	-0.18
Butte, MT	PM ₁₀	Moderate	100	-	-2.01	-2.76	-5.13
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.89	-1.23	-2.30
Canton-Massillon, OH	Ozone	Maintenance	100	-	-10.57	-14.57	-27.25
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-10.57	-14.57	-27.25
Case County, MI	Ozone	Maintenance	100	-	-1.36	-1.87	-3.50
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.03	-0.05	-0.09
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.45	-0.62	-1.14
Charleston, WV	Ozone	Maintenance	100	-	-3.43	-4.76	-9.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-3.43	-4.76	-9.10
Charlotte, NC	CO	Maintenance	100	-	-7.60	-10.56	-20.30
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-27.70	-38.33	-72.57
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-24.82	-34.22	-63.80
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-22.73	-31.33	-58.41
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-86.43	-119.90	-229.15
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-91.30	-126.64	-241.86
Chico, CA	CO	Maintenance	100	-	-1.72	-2.38	-4.51
Chico, CA	Ozone	Former Subpart 1	50	-	-4.03	-5.58	-10.56
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-26.86	-37.24	-70.94

Appendix B

Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-25.03	-34.70	-66.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.33	-0.45	-0.85
Clark County, NV	PM ₁₀	Serious	70	-	-15.49	-21.52	-41.33
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-13.71	-18.88	-35.16
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-7.71	-10.63	-19.84
Cleveland, OH	CO	Maintenance	100	-	-14.34	-19.86	-37.75
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-29.08	-40.37	-77.43
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-26.70	-37.07	-71.11
Coachella Valley, CA	PM ₁₀	Serious	70	-	-2.13	-3.02	-6.24
Colbert County, AL	SO _x	Maintenance	100	-	-2.34	-3.23	-6.04
Colorado Springs, CO	CO	Maintenance	100	-	-16.96	-23.41	-43.87
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.25	-0.35	-0.64
Columbia, SC	Ozone	Former Subpart 1	50	-	-27.36	-37.72	-70.39
Columbus, OH	Ozone	Maintenance	100	-	-30.04	-41.56	-78.56
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-25.78	-35.68	-67.58
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.05	-0.06	-0.12
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-14.34	-19.86	-37.75
Cuyahoga County, OH	SO _x	Maintenance	100	-	-11.68	-16.18	-30.76
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-98.26	-136.13	-258.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-13.27	-18.38	-34.88
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-11.50	-15.93	-30.25
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-26.54	-36.94	-71.43
Denver-Boulder, CO	CO	Maintenance	100	-	-25.97	-36.12	-69.79
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-46.67	-64.70	-123.37
Detroit, MI	CO	Maintenance	100	-	-30.09	-41.62	-78.67
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-73.81	-102.19	-193.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-70.70	-97.90	-185.81

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.20	-0.28	-0.55
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-0.55	-0.77	-1.46
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.44	-0.60	-1.15
Duluth, MN	CO	Maintenance	100	-	-3.07	-4.23	-7.90
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.34	-0.47	-0.88
East Chicago, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.08
East Chicago, IN	PM ₁₀	Maintenance	100	-	-17.86	-24.59	-45.64
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.04	-0.05	-0.10
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.26	-15.56	-29.26
El Paso, TX	CO	Maintenance	100	-	-0.61	-0.84	-1.58
Erie, PA	Ozone	Maintenance	100	-	-3.39	-4.69	-8.92
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	-8.49	-11.71	-21.88
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-8.11	-11.18	-20.89
Evansville, IN	Ozone	Maintenance	100	-	-5.63	-7.78	-14.64
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-9.32	-12.86	-24.12
Fairbanks, AK	CO	Maintenance	100	-	-1.15	-1.58	-2.94
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-3.03	-4.22	-8.11
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.33	-0.45	-0.84
Flint, MI	Ozone	Maintenance	100	-	-7.09	-9.82	-18.72
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.05	-0.07	-0.13
Fort Collins, CO	CO	Maintenance	100	-	-3.97	-5.49	-10.32
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Fort Wayne, IN	Ozone	Maintenance	100	-	-15.79	-21.76	-40.60
Franklin County, PA	Ozone	Maintenance	100	-	-5.59	-7.70	-14.39
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Frederick County, VA	Ozone	Former Subpart 1	50	-	-8.83	-12.16	-22.60
Fredericksburg, VA	Ozone	Maintenance	100	-	-9.08	-12.54	-23.61

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**Table B.1-237
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.11	-0.16	-0.31
Fresno, CA	CO	Maintenance	100	-	-5.32	-7.41	-14.31
Grand Rapids, MI	Ozone	Maintenance	100	-	-15.58	-21.55	-40.68
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-1.29	-1.78	-3.33
Grant County, NM	SO _x	Maintenance	100	-	-0.16	-0.22	-0.41
Grants Pass, OR	CO	Maintenance	100	-	-0.02	-0.02	-0.04
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-1.22	-1.68	-3.15
Great Falls, MT	CO	Maintenance	100	-	-1.18	-1.63	-3.03
Greater Connecticut, CT	Ozone	Moderate	50	-	-18.63	-25.86	-49.60
Greeley, CO	CO	Maintenance	100	-	-5.66	-7.81	-14.55
Green Bay, WI	SO _x	Maintenance	100	-	-2.11	-2.92	-5.53
Greene County, IN	Ozone	Maintenance	100	-	-3.50	-4.83	-8.97
Greene County, PA	Ozone	Maintenance	100	-	-2.42	-3.34	-6.22
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-25.75	-35.65	-67.63
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-11.66	-16.15	-30.72
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-44.96	-61.96	-115.43
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.29	-0.40	-0.76
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-2.34	-3.24	-6.11
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-9.76	-13.55	-25.96
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-9.58	-13.29	-25.40
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-10.29	-14.31	-27.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.11	-0.16	-0.30
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-0.60	-0.83	-1.57
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.04	-0.06	-0.11
Hazelwood, PA	SO _x	Maintenance	100	-	-0.92	-1.27	-2.39
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-2.56	-3.54	-6.75
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-4.54	-6.29	-11.94
Hollis Township, IL	SO _x	Maintenance	100	-	-0.02	-0.03	-0.05

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-338.45	-466.23	-867.20
Humphreys County, TN	SO _x	Maintenance	100	-	-0.15	-0.21	-0.38
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-37.03	-50.97	-94.48
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-30.37	-41.78	-77.35
Huron County, MI	Ozone	Maintenance	100	-	-0.91	-1.26	-2.36
Imperial County, CA	Ozone	Moderate	50	-	-2.73	-3.78	-7.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	-2.66	-3.69	-7.05
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-0.80	-1.11	-2.09
Indianapolis, IN	CO	Maintenance	100	-	-0.03	-0.04	-0.07
Indianapolis, IN	Ozone	Maintenance	100	-	-37.31	-51.60	-97.48
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-28.54	-39.49	-74.66
Jackson County, IN	Ozone	Maintenance	100	-	-5.50	-7.57	-14.07
Jamestown, NY	Ozone	Former Subpart 1	50	-	-3.08	-4.26	-8.03
Jefferson County, NY	Ozone	Moderate	50	-	-1.26	-1.75	-3.37
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.52	-0.72	-1.34
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-12.85	-17.71	-32.94
Johnstown, PA	Ozone	Maintenance	100	-	-2.72	-3.76	-7.07
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-3.59	-4.95	-9.27
Juneau, AK	PM ₁₀	Moderate	100	-	-0.88	-1.21	-2.24
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-12.60	-17.40	-32.70
Kalispell, MT	PM ₁₀	Moderate	100	-	-1.35	-1.86	-3.47
Kansas City, MO-KS	Ozone	Maintenance	100	-	-53.65	-74.02	-138.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.29	-0.43	-0.94
Kent, WA	PM ₁₀	Maintenance	100	-	-0.49	-0.67	-1.27
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-1.96	-2.71	-5.10
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.36	-0.50	-0.95
King County, WA	PM ₁₀	Maintenance	100	-	-0.20	-0.28	-0.53
Klamath Falls, OR	CO	Maintenance	100	-	-2.22	-3.05	-5.70

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-2.22	-3.05	-5.70
Knoxville, TN	Ozone	Former Subpart 1	50	-	-49.09	-67.68	-126.28
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-40.47	-55.79	-104.03
La Porte County, IN	SO _x	Maintenance	100	-	-1.58	-2.17	-4.06
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.82	-1.14	-2.11
Lake County, IN	SO _x	Maintenance	100	-	-9.00	-12.42	-23.27
Lake County, OH	SO _x	Maintenance	100	-	-0.26	-0.36	-0.71
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.29	-0.41	-0.76
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.11	-0.16	-0.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.27	-0.38	-0.76
Lake Tahoe, NV	CO	Maintenance	100	-	-0.24	-0.33	-0.63
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.96	-1.32	-2.46
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.06
Lancaster, PA	Ozone	Maintenance	100	-	-3.16	-4.41	-8.64
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-3.16	-4.41	-8.64
Lane County, OR	PM ₁₀	Moderate	100	-	-0.06	-0.08	-0.14
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-4.22	-5.88	-11.38
LaPorte, IN	Ozone	Maintenance	100	-	-4.42	-6.09	-11.37
Las Vegas, NV	CO	Serious	100	-	-15.49	-21.52	-41.33
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-15.73	-21.85	-41.98
Lauderdale County, AL	SO _x	Maintenance	100	-	-0.72	-1.00	-1.95
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.07	-0.10	-0.19
Libby, MT	PM ₁₀	Moderate	100	-	-0.12	-0.16	-0.31
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.16	-0.22	-0.41
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.33	-0.45	-0.85
Lima, OH	Ozone	Maintenance	100	-	-10.02	-13.80	-25.61
Longmont, CO	CO	Maintenance	100	-	-0.41	-0.58	-1.16
Lorain County, OH	SO _x	Maintenance	100	-	-0.45	-0.63	-1.21

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-164.15	-227.97	-437.54
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-164.15	-227.97	-437.54
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-164.15	-227.97	-437.54
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-164.15	-227.97	-437.55
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-164.14	-227.96	-437.52
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-5.63	-7.84	-15.23
Louisville, KY-IN	Ozone	Maintenance	100	-	-16.75	-23.20	-44.11
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-16.88	-23.38	-44.40
Lowell, MA	CO	Maintenance	100	-	-0.80	-1.12	-2.19
Lucas County, OH	SO _x	Maintenance	100	-	-4.35	-6.02	-11.46
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.62	-0.86	-1.66
Macon, GA	Ozone	Maintenance	100	-	-9.88	-13.61	-25.38
Macon, GA	PM _{2.5}	Nonattainment	100	-	-9.80	-13.51	-25.18
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.07	-0.10	-0.19
Madison, WI	SO _x	Maintenance	100	-	-3.48	-4.82	-9.17
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.20	-0.28	-0.53
Manchester, NH	CO	Maintenance	100	-	-0.23	-0.33	-0.70
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-0.65	-0.91	-1.80
Marion County, IN	SO _x	Maintenance	100	-	-8.50	-11.74	-22.03
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.01	-1.41	-2.72
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-11.09	-15.30	-28.61
Mason County, MI	Ozone	Maintenance	100	-	-0.70	-0.96	-1.80
Medford, OR	CO	Maintenance	100	-	-0.48	-0.67	-1.33
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-1.15	-1.60	-3.16
Memphis, TN-AR	Ozone	Maintenance	100	-	-25.78	-35.60	-66.86
Memphis, TN	CO	Maintenance	100	-	-16.84	-23.30	-44.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-0.51	-0.70	-1.33

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.12	-0.16	-0.31
Milwaukee, WI	SO _x	Maintenance	100	-	-7.58	-10.50	-19.98
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-22.49	-31.19	-59.56
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-84.32	-116.38	-218.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-62.35	-86.16	-162.18
Missoula, MT	CO	Maintenance	100	-	-4.95	-6.82	-12.67
Missoula, MT	PM ₁₀	Moderate	100	-	-4.80	-6.61	-12.27
Modesto, CA	CO	Maintenance	100	-	-5.11	-7.07	-13.39
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-1.57	-2.18	-4.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.03	-0.04	-0.08
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.06	-0.08	-0.15
Morristown, NJ	CO	Maintenance	100	-	-0.23	-0.32	-0.62
Muhlenberg County, KY	SO _x	Maintenance	100	-	-1.10	-1.52	-2.84
Muncie, IN	Ozone	Maintenance	100	-	-7.90	-10.89	-20.24
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.14	-0.19	-0.36
Muscatine County, IA	SO _x	Maintenance	100	-	-0.55	-0.76	-1.41
Muskegon, MI	Ozone	Maintenance	100	-	-4.16	-5.74	-10.74
Nashua, NH	CO	Maintenance	100	-	-0.18	-0.26	-0.55
Nashville, TN	Ozone	Former Subpart 1	50	-	-23.67	-32.80	-62.35
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-1.43	-1.98	-3.80
New Haven County, CT	PM ₁₀	Maintenance	100	-	-3.92	-5.41	-10.13
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-21.76	-30.04	-56.36
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.31	-0.42	-0.78
New York County, NY	PM ₁₀	Moderate	100	-	-41.49	-57.12	-106.02
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-175.32	-242.26	-456.09
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-258.05	-357.08	-675.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-251.79	-348.45	-659.79
Nogales, AZ	PM ₁₀	Moderate	100	-	-0.63	-0.87	-1.65

Appendix B

Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-35.81	-49.48	-93.12
Ogden, UT	CO	Maintenance	100	-	-0.64	-0.89	-1.73
Ogden, UT	PM ₁₀	Moderate	100	-	-0.64	-0.89	-1.73
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.03	-0.05	-0.09
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.51	-0.70	-1.32
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-1.56	-2.16	-4.10
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.07	-0.09	-0.17
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-5.23	-7.21	-13.48
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-5.55	-7.65	-14.30
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.34	-0.47	-0.89
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.01	-0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.76	-1.06	-2.06
Perth Amboy, NJ	CO	Maintenance	100	-	-1.63	-2.25	-4.24
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-4.70	-6.52	-12.48
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-117.06	-161.63	-303.43
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-137.60	-190.19	-358.47
Phoenix, AZ	CO	Maintenance	100	-	-29.12	-40.70	-79.99
Phoenix, AZ	PM ₁₀	Serious	70	-	-30.29	-42.32	-83.14
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-30.40	-42.48	-83.45
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.68	-0.93	-1.74
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Pittsburgh, PA	CO	Maintenance	100	-	-0.51	-0.70	-1.33
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-42.83	-59.19	-111.56
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-36.21	-50.07	-94.51
Polk County, TN	SO _x	Maintenance	100	-	-0.92	-1.27	-2.36
Polson, MT	PM ₁₀	Moderate	100	-	-0.05	-0.07	-0.14
Portland, ME	Ozone	Maintenance	100	-	-8.78	-12.16	-23.07

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Table B.1-237							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2021							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-14.52	-20.15	-38.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-1.94	-2.67	-4.98
Poughkeepsie, NY	Ozone	Moderate	50	-	-12.52	-17.42	-33.63
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.32	-0.45	-0.84
Providence (entire State), RI	Ozone	Moderate	50	-	-19.92	-27.54	-51.93
Provo, UT	CO	Maintenance	100	-	-2.13	-2.95	-5.62
Raleigh-Durham, NC	CO	Maintenance	100	-	-10.35	-14.42	-28.04
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-16.00	-22.27	-43.04
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.06	-0.08	-0.15
Reading, PA	Ozone	Maintenance	100	-	-5.14	-7.11	-13.51
Reading, PA	PM _{2.5}	Nonattainment	100	-	-5.14	-7.11	-13.51
Reno, NV	CO	Maintenance	100	-	-3.47	-4.81	-9.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.03	-0.04	-0.08
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-16.82	-23.32	-44.41
Rillito, AZ	PM ₁₀	Moderate	100	-	-0.69	-0.96	-1.82
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-2.13	-3.02	-6.24
Roanoke, VA	Ozone	Former Subpart 1	50	-	-8.01	-11.06	-20.72
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-1.88	-2.60	-4.88
Rochester, NY	Ozone	Former Subpart 1	50	-	-16.39	-22.74	-43.48
Rocky Mount, NC	Ozone	Maintenance	100	-	-4.44	-6.13	-11.52
Rome, GA	PM _{2.5}	Nonattainment	100	-	-4.85	-6.69	-12.48
Ronan, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.10	-0.13	-0.25
Sacramento County, CA	PM ₁₀	Moderate	100	-	-11.23	-15.65	-30.47
Sacramento Metro, CA	Ozone	Severe	25	-	-27.29	-37.90	-72.80
Sacramento, CA	CO	Maintenance	100	-	-12.57	-17.52	-34.09
Salem, OR	CO	Maintenance	100	-	-1.40	-1.94	-3.73
Salt Lake City, UT	CO	Maintenance	100	-	-3.00	-4.15	-7.90

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Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-10.08	-14.01	-27.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	-8.92	-12.41	-24.05
San Antonio, TX	Ozone	Former Subpart 1	50	-	-65.43	-90.25	-168.69
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-2.77	-3.87	-7.61
San Diego, CA	CO	Maintenance	100	-	-23.38	-32.75	-64.88
San Diego, CA	Ozone	Former Subpart 1	50	-	-23.42	-32.81	-65.00
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-117.71	-162.80	-307.55
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-122.16	-169.04	-320.01
San Joaquin Valley, CA	Ozone	Extreme	10	-	-68.45	-94.78	-179.84
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-68.93	-95.44	-181.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-68.45	-94.78	-179.84
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.31	-0.43	-0.83
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.11
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-11.93	-16.51	-31.22
Seattle-Tacoma, WA	CO	Maintenance	100	-	-54.21	-74.98	-141.72
Sheboygan, WI	Ozone	Moderate	50	-	-1.81	-2.50	-4.75
Sheridan, WY	PM ₁₀	Moderate	100	-	-1.56	-2.15	-3.99
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.11	-0.15	-0.30
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-8.40	-11.62	-21.97
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-1.79	-2.49	-4.79
Spokane County, WA	PM ₁₀	Maintenance	100	-	-7.09	-9.79	-18.41
Spokane, WA	CO	Maintenance	100	-	-7.02	-9.70	-18.23
Springfield (western MA), MA	Ozone	Moderate	50	-	-6.59	-9.19	-17.96
Springfield, MA	CO	Maintenance	100	-	-1.18	-1.64	-3.20
St. Louis, MO	CO	Maintenance	100	-	-40.10	-55.29	-103.16
St. Louis, MO-IL	Ozone	Moderate	50	-	-101.17	-139.57	-261.07
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-100.98	-139.31	-260.57

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Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-0.93	-1.31	-2.60
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.44	-0.60	-1.14
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-2.85	-3.92	-7.29
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-7.22	-9.95	-18.48
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-7.22	-9.95	-18.48
Stockton, CA	CO	Maintenance	100	-	-5.85	-8.11	-15.48
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-15.55	-21.46	-40.21
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.02	-0.05
Terre Haute, IN	Ozone	Maintenance	100	-	-6.50	-8.96	-16.69
Tioga County, PA	Ozone	Maintenance	100	-	-0.59	-0.82	-1.57
Toledo, OH	Ozone	Maintenance	100	-	-19.38	-26.73	-49.97
Toms River, NJ	CO	Maintenance	100	-	-0.63	-0.88	-1.74
Tooele County, UT	SO _x	Nonattainment	100	-	-3.38	-4.67	-8.73
Trenton, NJ	CO	Maintenance	100	-	-0.75	-1.05	-2.03
Trona, CA	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.05
Tucson, AZ	CO	Maintenance	100	-	-14.44	-20.01	-38.02
Utah County, UT	PM ₁₀	Moderate	100	-	-6.40	-8.87	-16.91
Vancouver, WA	CO	Maintenance	100	-	-3.66	-5.08	-9.71
Ventura County, CA	Ozone	Serious	50	-	-5.67	-7.91	-15.50
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.64	-0.88	-1.63
Vigo County, IN	SO _x	Maintenance	100	-	-6.50	-8.96	-16.69
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.40	-0.57	-1.11
Warren County, NJ	SO _x	Maintenance	100	-	-0.27	-0.38	-0.74
Warren County, PA	SO _x	Nonattainment	100	-	-0.20	-0.27	-0.52
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-7.76	-10.70	-19.99
Washington, DC-MD-VA	CO	Maintenance	100	-	-10.28	-14.37	-28.26

Appendix B

Table B.1-237
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-41.79	-58.26	-113.43
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-39.09	-54.53	-106.43
Washoe County, NV	PM ₁₀	Serious	70	-	-3.47	-4.81	-9.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.23	-0.32	-0.59
Wayne County, IN	SO _x	Maintenance	100	-	-2.81	-3.87	-7.23
Wayne County, MI	PM ₁₀	Maintenance	100	-	-5.54	-7.63	-14.16
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.48	-0.67	-1.24
Weirton, WV	SO _x	Maintenance	100	-	-0.64	-0.88	-1.64
Wheeling, WV-OH	Ozone	Maintenance	100	-	-7.03	-9.68	-18.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-7.03	-9.68	-18.05
Winston-Salem, NC	CO	Maintenance	100	-	-6.95	-9.62	-18.22
Worcester, MA	CO	Maintenance	100	-	-1.27	-1.78	-3.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	-3.10	-4.27	-7.99
Yakima, WA	CO	Maintenance	100	-	-1.24	-1.71	-3.19
York, PA	Ozone	Maintenance	100	-	-7.36	-10.18	-19.29
York, PA	PM _{2.5}	Nonattainment	100	-	-4.78	-6.63	-12.62
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-9.49	-13.14	-24.99
Yuma, AZ	PM ₁₀	Moderate	100	-	-3.37	-4.67	-8.82

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.16	-0.25	-0.48
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.12	-0.19	-0.39
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.12	-0.20	-0.40
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-42.91	-67.55	-135.89
Albuquerque, NM	CO	Maintenance	100	-	-17.32	-27.33	-55.77
Allegan County, MI	Ozone	Former Subpart 1	50	-	-7.35	-11.51	-22.37
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-12.92	-20.51	-43.50
Altoona, PA	Ozone	Maintenance	100	-	-6.66	-10.40	-19.88
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.31	-2.17	-5.73
Anchorage, AK	CO	Maintenance	100	-	-11.51	-17.95	-33.95
Anthony, NM	PM ₁₀	Moderate	100	-	-0.57	-0.89	-1.70
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.04	-0.06	-0.17
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.53	-0.83	-1.57
Atlanta, GA	Ozone	Moderate	50	-	-207.18	-326.63	-662.71
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-207.49	-327.11	-663.61
Atlantic City, NJ	CO	Maintenance	100	-	-0.72	-1.16	-2.66
Bakersfield, CA	CO	Maintenance	100	-	-24.75	-38.71	-74.70
Baltimore, MD	CO	Maintenance	100	-	-0.53	-0.82	-1.60
Baltimore, MD	Ozone	Moderate	50	-	-47.35	-75.88	-169.61
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-47.35	-75.88	-169.61
Baton Rouge, LA	Ozone	Moderate	50	-	-108.71	-169.01	-312.85
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-180.87	-280.54	-510.68
Benton County, TN	SO _x	Maintenance	100	-	-0.21	-0.32	-0.60
Benton Harbor, MI	Ozone	Maintenance	100	-	-14.29	-22.29	-42.20
Benzie County, MI	Ozone	Maintenance	100	-	-1.41	-2.21	-4.23
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-9.53	-14.89	-28.47
Billings, MT	CO	Maintenance	100	-	-48.91	-75.83	-137.65
Birmingham, AL	Ozone	Maintenance	100	-	-31.16	-49.14	-99.76

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-31.36	-49.45	-100.36
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-27.08	-42.23	-79.78
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-27.08	-42.23	-79.78
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-1.19	-1.85	-3.52
Boston, MA	CO	Maintenance	100	-	-14.62	-23.37	-51.50
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-67.32	-108.61	-251.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-6.51	-10.64	-26.30
Boyd County (part), KY	SO _x	Maintenance	100	-	-2.88	-4.47	-8.18
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-29.39	-46.51	-96.53
Burlington, NJ	CO	Maintenance	100	-	-0.13	-0.21	-0.46
Butte, MT	PM ₁₀	Moderate	100	-	-4.09	-6.35	-11.68
Canon City, CO	PM ₁₀	Maintenance	100	-	-1.83	-2.86	-5.37
Canton-Massillon, OH	Ozone	Maintenance	100	-	-21.44	-33.47	-63.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-21.44	-33.47	-63.61
Case County, MI	Ozone	Maintenance	100	-	-2.75	-4.29	-8.23
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.07	-0.11	-0.21
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.91	-1.42	-2.63
Charleston, WV	Ozone	Maintenance	100	-	-6.89	-10.92	-22.72
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-6.89	-10.92	-22.72
Charlotte, NC	CO	Maintenance	100	-	-15.13	-24.06	-51.47
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-55.69	-87.67	-176.22
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-50.41	-78.56	-147.75
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-46.15	-71.92	-135.23
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-172.98	-273.95	-571.59
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-182.81	-289.39	-602.07
Chico, CA	CO	Maintenance	100	-	-3.50	-5.51	-11.14
Chico, CA	Ozone	Former Subpart 1	50	-	-8.07	-12.71	-25.67
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-53.92	-85.20	-175.30

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-50.21	-79.40	-164.20
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.65	-1.02	-1.99
Clark County, NV	PM ₁₀	Serious	70	-	-30.79	-48.97	-104.80
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-27.83	-43.34	-81.05
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-15.66	-24.42	-46.04
Cleveland, OH	CO	Maintenance	100	-	-28.94	-45.62	-92.55
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-58.27	-92.45	-194.95
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-53.51	-84.90	-179.14
Coachella Valley, CA	PM ₁₀	Serious	70	-	-3.95	-6.66	-19.02
Colbert County, AL	SO _x	Maintenance	100	-	-4.76	-7.43	-14.05
Colorado Springs, CO	CO	Maintenance	100	-	-34.31	-53.65	-103.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.51	-0.80	-1.50
Columbia, SC	Ozone	Former Subpart 1	50	-	-55.52	-86.56	-163.34
Columbus, OH	Ozone	Maintenance	100	-	-60.42	-95.03	-189.88
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-51.79	-81.56	-164.24
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.09	-0.15	-0.30
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-28.94	-45.62	-92.56
Cuyahoga County, OH	SO _x	Maintenance	100	-	-23.66	-37.31	-75.68
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-196.72	-310.65	-636.89
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-26.75	-42.15	-85.20
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-23.18	-36.54	-74.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-52.60	-84.02	-184.25
Denver-Boulder, CO	CO	Maintenance	100	-	-51.49	-82.18	-179.51
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-93.35	-147.66	-305.83
Detroit, MI	CO	Maintenance	100	-	-60.25	-94.68	-188.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-148.55	-234.04	-472.94
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-142.23	-224.18	-454.20

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Table B.1-238							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2025							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.38	-0.63	-1.53
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-1.09	-1.71	-3.48
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-0.86	-1.35	-2.75
Duluth, MN	CO	Maintenance	100	-	-6.25	-9.75	-18.48
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.69	-1.08	-2.05
East Chicago, IN	CO	Maintenance	100	-	-0.06	-0.10	-0.19
East Chicago, IN	PM ₁₀	Maintenance	100	-	-36.35	-56.48	-104.18
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.08	-0.13	-0.24
El Paso County, TX	PM ₁₀	Moderate	100	-	-22.59	-35.40	-69.20
El Paso, TX	CO	Maintenance	100	-	-1.19	-1.88	-3.73
Erie, PA	Ozone	Maintenance	100	-	-6.82	-10.76	-21.91
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.08
Eugene-Springfield, OR	CO	Maintenance	100	-	-17.33	-27.04	-51.32
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-16.56	-25.84	-49.04
Evansville, IN	Ozone	Maintenance	100	-	-11.37	-17.83	-34.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-18.84	-29.46	-56.72
Fairbanks, AK	CO	Maintenance	100	-	-2.32	-3.60	-6.69
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-6.06	-9.63	-20.61
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.67	-1.04	-1.96
Flint, MI	Ozone	Maintenance	100	-	-14.24	-22.51	-46.29
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.10	-0.16	-0.30
Fort Collins, CO	CO	Maintenance	100	-	-7.99	-12.53	-24.55
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.19
Fort Wayne, IN	Ozone	Maintenance	100	-	-32.04	-49.95	-94.14
Franklin County, PA	Ozone	Maintenance	100	-	-11.32	-17.67	-33.56
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.06	-0.10	-0.19
Frederick County, VA	Ozone	Former Subpart 1	50	-	-17.95	-27.92	-51.82
Fredericksburg, VA	Ozone	Maintenance	100	-	-18.29	-28.68	-56.30

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.23	-0.37	-0.86
Fresno, CA	CO	Maintenance	100	-	-10.38	-16.58	-36.37
Grand Rapids, MI	Ozone	Maintenance	100	-	-31.39	-49.32	-97.89
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-2.57	-4.02	-7.70
Grant County, NM	SO _x	Maintenance	100	-	-0.32	-0.50	-0.92
Grants Pass, OR	CO	Maintenance	100	-	-0.03	-0.05	-0.10
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-2.50	-3.89	-7.39
Great Falls, MT	CO	Maintenance	100	-	-2.39	-3.72	-6.93
Greater Connecticut, CT	Ozone	Moderate	50	-	-37.33	-59.22	-124.82
Greeley, CO	CO	Maintenance	100	-	-11.54	-17.98	-33.79
Green Bay, WI	SO _x	Maintenance	100	-	-4.21	-6.62	-13.29
Greene County, IN	Ozone	Maintenance	100	-	-7.13	-11.08	-20.53
Greene County, PA	Ozone	Maintenance	100	-	-4.93	-7.67	-14.34
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-51.83	-81.67	-165.12
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-23.44	-37.00	-75.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-91.36	-142.29	-266.61
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-0.58	-0.91	-1.90
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-4.72	-7.41	-14.63
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-19.50	-30.94	-65.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-19.16	-30.35	-63.40
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-20.56	-32.75	-70.72
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.23	-0.36	-0.77
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-1.21	-1.90	-3.87
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.08	-0.13	-0.29
Hazelwood, PA	SO _x	Maintenance	100	-	-1.88	-2.94	-5.75
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-5.15	-8.13	-16.62
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-9.15	-14.43	-29.24
Hollis Township, IL	SO _x	Maintenance	100	-	-0.04	-0.06	-0.13

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-687.74	-1,070.18	-1,993.04
Humphreys County, TN	SO _x	Maintenance	100	-	-0.31	-0.48	-0.89
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-75.44	-117.12	-214.70
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-61.89	-96.02	-175.10
Huron County, MI	Ozone	Maintenance	100	-	-1.86	-2.90	-5.54
Imperial County, CA	Ozone	Moderate	50	-	-5.44	-8.61	-17.93
Imperial Valley, CA	PM ₁₀	Serious	70	-	-5.31	-8.41	-17.52
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-1.53	-2.40	-4.71
Indianapolis, IN	CO	Maintenance	100	-	-0.05	-0.09	-0.16
Indianapolis, IN	Ozone	Maintenance	100	-	-75.15	-118.11	-235.07
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-57.47	-90.37	-180.46
Jackson County, IN	Ozone	Maintenance	100	-	-11.18	-17.39	-32.25
Jamestown, NY	Ozone	Former Subpart 1	50	-	-6.22	-9.76	-19.31
Jefferson County, NY	Ozone	Moderate	50	-	-2.51	-4.00	-8.57
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-1.05	-1.63	-3.03
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-26.13	-40.67	-75.77
Johnstown, PA	Ozone	Maintenance	100	-	-5.53	-8.65	-16.72
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-7.26	-11.34	-21.68
Juneau, AK	PM ₁₀	Moderate	100	-	-1.80	-2.80	-5.18
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-25.49	-39.92	-77.55
Kalispell, MT	PM ₁₀	Moderate	100	-	-2.74	-4.26	-8.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	-108.64	-169.71	-324.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.53	-0.94	-3.27
Kent, WA	PM ₁₀	Maintenance	100	-	-1.00	-1.57	-3.10
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-3.79	-5.94	-11.62
Kewaunee County, WI	Ozone	Maintenance	100	-	-0.73	-1.15	-2.34
King County, WA	PM ₁₀	Maintenance	100	-	-0.41	-0.64	-1.27
Klamath Falls, OR	CO	Maintenance	100	-	-4.50	-7.02	-13.21

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Table B.1-238
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Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-4.50	-7.02	-13.21
Knoxville, TN	Ozone	Former Subpart 1	50	-	-99.53	-155.19	-293.10
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-82.10	-127.96	-241.01
La Porte County, IN	SO _x	Maintenance	100	-	-3.21	-5.00	-9.41
LaGrande, OR	PM ₁₀	Maintenance	100	-	-1.70	-2.64	-4.93
Lake County, IN	SO _x	Maintenance	100	-	-18.15	-28.37	-54.52
Lake County, OH	SO _x	Maintenance	100	-	-0.52	-0.83	-1.90
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.60	-0.94	-1.76
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.21	-0.35	-0.95
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.51	-0.84	-2.21
Lake Tahoe, NV	CO	Maintenance	100	-	-0.47	-0.74	-1.55
Lamar, CO	PM ₁₀	Maintenance	100	-	-1.96	-3.05	-5.60
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.13
Lancaster, PA	Ozone	Maintenance	100	-	-6.23	-10.04	-23.04
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-6.23	-10.04	-23.04
Lane County, OR	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.32
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-8.40	-13.42	-29.43
LaPorte, IN	Ozone	Maintenance	100	-	-8.98	-14.00	-26.33
Las Vegas, NV	CO	Serious	100	-	-30.79	-48.97	-104.80
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-31.24	-49.69	-106.34
Lauderdale County, AL	SO _x	Maintenance	100	-	-1.43	-2.30	-5.10
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.15	-0.23	-0.44
Libby, MT	PM ₁₀	Moderate	100	-	-0.24	-0.38	-0.73
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.32	-0.50	-0.97
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.65	-1.02	-1.99
Lima, OH	Ozone	Maintenance	100	-	-20.40	-31.70	-58.40
Longmont, CO	CO	Maintenance	100	-	-0.80	-1.31	-3.37
Lorain County, OH	SO _x	Maintenance	100	-	-0.91	-1.45	-3.11

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Table B.1-238
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-327.15	-519.73	-1,104.80
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-327.15	-519.73	-1,104.80
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-327.15	-519.73	-1,104.80
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-327.15	-519.74	-1,104.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-327.13	-519.71	-1,104.74
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-11.15	-17.86	-39.78
Louisville, KY-IN	Ozone	Maintenance	100	-	-33.71	-53.17	-108.28
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-33.99	-53.58	-108.62
Lowell, MA	CO	Maintenance	100	-	-1.62	-2.61	-5.95
Lucas County, OH	SO _x	Maintenance	100	-	-8.75	-13.81	-28.19
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-1.24	-1.97	-4.23
Macon, GA	Ozone	Maintenance	100	-	-20.08	-31.28	-58.74
Macon, GA	PM _{2.5}	Nonattainment	100	-	-19.92	-31.03	-58.27
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.15	-0.23	-0.45
Madison, WI	SO _x	Maintenance	100	-	-7.01	-11.07	-22.65
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-0.41	-0.65	-1.27
Manchester, NH	CO	Maintenance	100	-	-0.43	-0.73	-2.15
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-1.29	-2.08	-4.87
Marion County, IN	SO _x	Maintenance	100	-	-17.20	-26.91	-51.98
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-1.99	-3.18	-6.98
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-22.49	-35.10	-66.84
Mason County, MI	Ozone	Maintenance	100	-	-1.41	-2.20	-4.26
Medford, OR	CO	Maintenance	100	-	-0.94	-1.53	-3.61
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-2.25	-3.65	-8.61
Memphis, TN-AR	Ozone	Maintenance	100	-	-52.20	-81.72	-158.38
Memphis, TN	CO	Maintenance	100	-	-34.01	-53.46	-106.50
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-1.03	-1.62	-3.24

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Table B.1-238
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.23	-0.37	-0.72
Milwaukee, WI	SO _x	Maintenance	100	-	-15.41	-24.32	-49.65
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-45.08	-71.34	-148.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-170.67	-266.83	-513.08
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-125.87	-197.37	-386.82
Missoula, MT	CO	Maintenance	100	-	-10.05	-15.62	-28.86
Missoula, MT	PM ₁₀	Moderate	100	-	-9.74	-15.13	-27.96
Modesto, CA	CO	Maintenance	100	-	-10.20	-16.07	-32.38
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-3.16	-4.99	-10.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.06	-0.10	-0.19
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.11	-0.18	-0.36
Morristown, NJ	CO	Maintenance	100	-	-0.47	-0.75	-1.71
Muhlenberg County, KY	SO _x	Maintenance	100	-	-2.24	-3.49	-6.62
Muncie, IN	Ozone	Maintenance	100	-	-16.09	-25.02	-46.43
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.29	-0.45	-0.86
Muscatine County, IA	SO _x	Maintenance	100	-	-1.12	-1.75	-3.33
Muskegon, MI	Ozone	Maintenance	100	-	-8.43	-13.17	-25.18
Nashua, NH	CO	Maintenance	100	-	-0.34	-0.58	-1.72
Nashville, TN	Ozone	Former Subpart 1	50	-	-47.49	-74.96	-153.16
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-2.81	-4.47	-9.61
New Haven County, CT	PM ₁₀	Maintenance	100	-	-8.21	-12.84	-24.70
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-44.06	-68.92	-132.96
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.63	-0.98	-1.83
New York County, NY	PM ₁₀	Moderate	100	-	-84.47	-131.25	-241.86
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-354.47	-555.75	-1,088.43
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-519.96	-818.07	-1,638.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-507.25	-798.27	-1,601.53
Nogales, AZ	PM ₁₀	Moderate	100	-	-1.26	-1.98	-4.02

Appendix B

Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-72.39	-113.47	-221.97
Ogden, UT	CO	Maintenance	100	-	-1.28	-2.05	-4.46
Ogden, UT	PM ₁₀	Moderate	100	-	-1.28	-2.05	-4.46
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.06	-0.10	-0.21
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.99	-1.55	-3.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-3.11	-4.91	-10.03
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.13	-0.21	-0.42
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-10.61	-16.56	-31.47
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-11.27	-17.58	-33.33
Payson, AZ	PM ₁₀	Maintenance	100	-	-0.68	-1.07	-2.14
Penns Grove, NJ	CO	Maintenance	100	-	-0.01	-0.02	-0.04
Peoria, IL	SO _x	Maintenance	100	-	-1.51	-2.42	-5.46
Perth Amboy, NJ	CO	Maintenance	100	-	-3.39	-5.32	-10.46
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-9.44	-14.95	-31.25
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-236.93	-370.80	-717.66
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-277.93	-436.07	-858.17
Phoenix, AZ	CO	Maintenance	100	-	-56.25	-91.13	-215.93
Phoenix, AZ	PM ₁₀	Serious	70	-	-58.54	-94.79	-224.10
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-58.74	-95.12	-224.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	-1.37	-2.12	-3.95
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.09	-0.14	-0.27
Pittsburgh, PA	CO	Maintenance	100	-	-1.09	-1.70	-3.32
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-86.57	-135.81	-266.97
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-73.15	-114.87	-227.28
Polk County, TN	SO _x	Maintenance	100	-	-1.86	-2.91	-5.47
Polson, MT	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.34
Portland, ME	Ozone	Maintenance	100	-	-17.64	-27.81	-56.31

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-29.13	-46.11	-95.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-3.92	-6.10	-11.50
Poughkeepsie, NY	Ozone	Moderate	50	-	-24.81	-39.58	-86.35
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.67	-1.04	-1.98
Providence (entire State), RI	Ozone	Moderate	50	-	-40.18	-63.07	-124.58
Provo, UT	CO	Maintenance	100	-	-4.31	-6.81	-14.06
Raleigh-Durham, NC	CO	Maintenance	100	-	-20.43	-32.76	-73.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-31.72	-50.65	-110.84
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.11	-0.18	-0.34
Reading, PA	Ozone	Maintenance	100	-	-10.34	-16.30	-33.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	-10.34	-16.30	-33.04
Reno, NV	CO	Maintenance	100	-	-6.94	-10.96	-22.45
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.06	-0.10	-0.18
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-33.79	-53.38	-109.71
Rillito, AZ	PM ₁₀	Moderate	100	-	-1.42	-2.24	-4.58
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-3.95	-6.66	-19.02
Roanoke, VA	Ozone	Former Subpart 1	50	-	-16.24	-25.39	-48.68
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-3.76	-5.90	-11.52
Rochester, NY	Ozone	Former Subpart 1	50	-	-32.86	-52.04	-108.53
Rocky Mount, NC	Ozone	Maintenance	100	-	-8.97	-14.06	-27.40
Rome, GA	PM _{2.5}	Nonattainment	100	-	-9.84	-15.35	-29.01
Ronan, MT	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.13
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.19	-0.30	-0.56
Sacramento County, CA	PM ₁₀	Moderate	100	-	-22.01	-35.36	-80.15
Sacramento Metro, CA	Ozone	Severe	25	-	-53.95	-85.85	-184.32
Sacramento, CA	CO	Maintenance	100	-	-24.54	-39.43	-89.39
Salem, OR	CO	Maintenance	100	-	-2.78	-4.41	-9.39
Salt Lake City, UT	CO	Maintenance	100	-	-6.02	-9.51	-19.49

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Table B.1-238							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-20.08	-31.97	-68.94
Salt Lake County, UT	SO _x	Nonattainment	100	-	-17.70	-28.30	-62.31
San Antonio, TX	Ozone	Former Subpart 1	50	-	-132.57	-206.95	-393.81
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-5.30	-8.57	-20.16
San Diego, CA	CO	Maintenance	100	-	-45.32	-73.73	-178.43
San Diego, CA	Ozone	Former Subpart 1	50	-	-45.40	-73.86	-178.75
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-236.82	-372.30	-741.85
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-245.48	-386.43	-776.65
San Joaquin Valley, CA	Ozone	Extreme	10	-	-137.25	-216.47	-440.39
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-138.12	-217.84	-443.06
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-137.25	-216.47	-440.39
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-0.62	-0.99	-2.15
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.09	-0.14	-0.25
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-24.05	-37.83	-75.57
Seattle-Tacoma, WA	CO	Maintenance	100	-	-108.95	-171.31	-341.81
Sheboygan, WI	Ozone	Moderate	50	-	-3.63	-5.73	-11.63
Sheridan, WY	PM ₁₀	Moderate	100	-	-3.13	-4.87	-9.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	-0.21	-0.34	-0.80
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-16.95	-26.64	-53.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-3.48	-5.54	-11.89
Spokane County, WA	PM ₁₀	Maintenance	100	-	-14.26	-22.35	-43.57
Spokane, WA	CO	Maintenance	100	-	-14.12	-22.12	-43.13
Springfield (western MA), MA	Ozone	Moderate	50	-	-13.06	-20.98	-47.60
Springfield, MA	CO	Maintenance	100	-	-2.40	-3.83	-8.49
St. Louis, MO	CO	Maintenance	100	-	-81.62	-127.22	-239.61
St. Louis, MO-IL	Ozone	Moderate	50	-	-205.23	-320.44	-610.62
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-204.86	-319.84	-609.33

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Table B.1-238							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2025							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-1.82	-2.96	-7.21
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.89	-1.40	-2.73
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-5.79	-9.00	-16.71
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-14.71	-22.86	-42.31
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-14.71	-22.86	-42.31
Stockton, CA	CO	Maintenance	100	-	-11.76	-18.60	-38.65
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-31.52	-49.27	-94.53
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.04	-0.06	-0.12
Terre Haute, IN	Ozone	Maintenance	100	-	-13.21	-20.58	-38.58
Tioga County, PA	Ozone	Maintenance	100	-	-1.18	-1.88	-4.00
Toledo, OH	Ozone	Maintenance	100	-	-39.31	-61.36	-116.74
Toms River, NJ	CO	Maintenance	100	-	-1.26	-2.04	-4.77
Tooele County, UT	SO _x	Nonattainment	100	-	-6.85	-10.70	-20.42
Trenton, NJ	CO	Maintenance	100	-	-1.51	-2.42	-5.33
Trona, CA	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.15
Tucson, AZ	CO	Maintenance	100	-	-28.96	-45.70	-93.33
Utah County, UT	PM ₁₀	Moderate	100	-	-12.81	-20.25	-41.85
Vancouver, WA	CO	Maintenance	100	-	-7.25	-11.49	-24.13
Ventura County, CA	Ozone	Serious	50	-	-11.07	-17.87	-41.43
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-1.29	-2.01	-3.71
Vigo County, IN	SO _x	Maintenance	100	-	-13.21	-20.58	-38.58
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-0.81	-1.30	-2.96
Warren County, NJ	SO _x	Maintenance	100	-	-0.54	-0.87	-1.96
Warren County, PA	SO _x	Nonattainment	100	-	-0.39	-0.62	-1.28
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-15.73	-24.55	-46.63
Washington, DC-MD-VA	CO	Maintenance	100	-	-20.42	-32.96	-76.57

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Table B.1-238
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-82.55	-132.45	-297.95
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-77.11	-123.93	-281.34
Washoe County, NV	PM ₁₀	Serious	70	-	-6.94	-10.96	-22.45
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.47	-0.73	-1.36
Wayne County, IN	SO _x	Maintenance	100	-	-5.72	-8.92	-16.88
Wayne County, MI	PM ₁₀	Maintenance	100	-	-11.41	-17.74	-32.82
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.97	-1.52	-2.84
Weirton, WV	SO _x	Maintenance	100	-	-1.29	-2.01	-3.76
Wheeling, WV-OH	Ozone	Maintenance	100	-	-14.28	-22.25	-41.79
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-14.28	-22.25	-41.79
Winston-Salem, NC	CO	Maintenance	100	-	-14.00	-22.03	-44.25
Worcester, MA	CO	Maintenance	100	-	-2.51	-4.07	-9.73
Yakima County, WA	PM ₁₀	Maintenance	100	-	-6.23	-9.73	-18.57
Yakima, WA	CO	Maintenance	100	-	-2.56	-4.00	-7.64
York, PA	Ozone	Maintenance	100	-	-14.79	-23.30	-46.90
York, PA	PM _{2.5}	Nonattainment	100	-	-9.59	-15.15	-31.12
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-19.13	-30.17	-61.42
Yuma, AZ	PM ₁₀	Moderate	100	-	-6.78	-10.66	-21.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.44	-0.68	-1.41
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.30	-0.49	-1.43
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.31	-0.51	-1.49
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-116.00	-184.82	-498.90
Albuquerque, NM	CO	Maintenance	100	-	-46.43	-74.50	-210.88
Allegan County, MI	Ozone	Former Subpart 1	50	-	-20.26	-31.75	-76.10
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-33.42	-54.94	-179.28
Altoona, PA	Ozone	Maintenance	100	-	-18.86	-29.18	-62.84
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-1.94	-4.47	-37.21
Anchorage, AK	CO	Maintenance	100	-	-31.44	-48.59	-103.85
Anthony, NM	PM ₁₀	Moderate	100	-	-1.54	-2.39	-5.08
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.08	-0.15	-0.97
Aspen, CO	PM ₁₀	Maintenance	100	-	-1.49	-2.30	-4.94
Atlanta, GA	Ozone	Moderate	50	-	-550.84	-884.66	-2,516.45
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-551.54	-885.75	-2,518.72
Atlantic City, NJ	CO	Maintenance	100	-	-1.72	-2.98	-12.27
Bakersfield, CA	CO	Maintenance	100	-	-65.69	-102.69	-241.33
Baltimore, MD	CO	Maintenance	100	-	-1.62	-2.52	-5.64
Baltimore, MD	Ozone	Moderate	50	-	-114.93	-196.85	-781.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-114.93	-196.85	-781.95
Baton Rouge, LA	Ozone	Moderate	50	-	-312.83	-477.45	-906.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-526.72	-797.60	-1,394.59
Benton County, TN	SO _x	Maintenance	100	-	-0.57	-0.87	-1.62
Benton Harbor, MI	Ozone	Maintenance	100	-	-40.79	-62.79	-129.42
Benzie County, MI	Ozone	Maintenance	100	-	-3.91	-6.09	-14.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-26.72	-41.46	-91.85
Billings, MT	CO	Maintenance	100	-	-142.89	-216.13	-373.40
Birmingham, AL	Ozone	Maintenance	100	-	-84.37	-134.76	-369.75

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Table B.1-239							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-84.96	-135.66	-371.76
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-76.62	-118.19	-248.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-76.62	-118.19	-248.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-3.49	-5.40	-11.80
Boston, MA	CO	Maintenance	100	-	-37.48	-62.94	-228.60
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-159.04	-279.00	-1,220.07
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-13.79	-25.92	-141.83
Boyd County (part), KY	SO _x	Maintenance	100	-	-8.84	-13.40	-23.83
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-78.08	-126.35	-376.74
Burlington, NJ	CO	Maintenance	100	-	-0.26	-0.45	-1.74
Butte, MT	PM ₁₀	Moderate	100	-	-11.83	-17.99	-32.91
Canon City, CO	PM ₁₀	Maintenance	100	-	-5.43	-8.35	-17.14
Canton-Massillon, OH	Ozone	Maintenance	100	-	-60.85	-93.94	-198.64
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-60.85	-93.94	-198.64
Case County, MI	Ozone	Maintenance	100	-	-7.74	-12.01	-26.35
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.23	-0.35	-0.70
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-2.65	-4.04	-7.60
Charleston, WV	Ozone	Maintenance	100	-	-18.55	-29.93	-87.48
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-18.55	-29.93	-87.48
Charlotte, NC	CO	Maintenance	100	-	-38.07	-63.37	-220.64
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-149.55	-238.74	-653.00
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-143.78	-220.99	-448.88
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-131.56	-202.21	-411.04
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-451.23	-735.82	-2,294.58
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-478.13	-778.28	-2,401.76
Chico, CA	CO	Maintenance	100	-	-9.61	-15.48	-45.08
Chico, CA	Ozone	Former Subpart 1	50	-	-21.11	-34.03	-99.06
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-143.18	-231.07	-677.63

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Table B.1-239							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-132.80	-214.95	-641.63
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-1.70	-2.66	-6.26
Clark County, NV	PM ₁₀	Serious	70	-	-76.37	-127.93	-459.38
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-79.33	-121.76	-244.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-44.60	-68.63	-140.87
Cleveland, OH	CO	Maintenance	100	-	-79.42	-126.28	-336.15
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-153.10	-249.96	-784.70
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-140.71	-229.70	-720.80
Coachella Valley, CA	PM ₁₀	Serious	70	-	-5.08	-13.31	-131.05
Colbert County, AL	SO _x	Maintenance	100	-	-13.60	-20.93	-43.00
Colorado Springs, CO	CO	Maintenance	100	-	-95.49	-148.91	-343.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-1.47	-2.26	-4.67
Columbia, SC	Ozone	Former Subpart 1	50	-	-157.75	-242.97	-503.40
Columbus, OH	Ozone	Maintenance	100	-	-162.68	-258.99	-695.40
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-138.38	-221.37	-613.92
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.23	-0.37	-1.04
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.03	-0.05	-0.13
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-79.42	-126.28	-336.16
Cuyahoga County, OH	SO _x	Maintenance	100	-	-66.04	-105.00	-279.51
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-514.44	-833.40	-2,500.82
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-72.91	-116.04	-311.12
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-63.13	-100.57	-271.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-128.52	-218.08	-831.56
Denver-Boulder, CO	CO	Maintenance	100	-	-126.29	-213.67	-803.75
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-242.55	-395.12	-1,224.85
Detroit, MI	CO	Maintenance	100	-	-158.81	-250.57	-631.59
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-401.18	-640.31	-1,749.05
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-383.33	-612.72	-1,690.13

Appendix B

**Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.83	-1.54	-8.21
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-2.68	-4.30	-12.24
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-2.16	-3.47	-9.87
Duluth, MN	CO	Maintenance	100	-	-18.04	-27.80	-57.84
Eagle River, AK	PM ₁₀	Moderate	100	-	-1.95	-3.01	-6.44
East Chicago, IN	CO	Maintenance	100	-	-0.17	-0.27	-0.59
East Chicago, IN	PM ₁₀	Maintenance	100	-	-104.99	-159.90	-297.07
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.23	-0.35	-0.74
El Paso County, TX	PM ₁₀	Moderate	100	-	-60.91	-95.70	-233.84
El Paso, TX	CO	Maintenance	100	-	-3.04	-4.82	-12.63
Erie, PA	Ozone	Maintenance	100	-	-18.48	-29.54	-81.44
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.05	-0.09	-0.41
Eugene-Springfield, OR	CO	Maintenance	100	-	-50.01	-77.26	-164.30
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-47.92	-74.03	-157.44
Evansville, IN	Ozone	Maintenance	100	-	-31.49	-49.41	-119.41
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-52.41	-81.49	-183.29
Fairbanks, AK	CO	Maintenance	100	-	-6.48	-9.92	-19.40
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-15.57	-25.74	-86.30
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-1.91	-2.94	-6.08
Flint, MI	Ozone	Maintenance	100	-	-38.17	-61.41	-176.76
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.26	-0.40	-0.82
Fort Collins, CO	CO	Maintenance	100	-	-21.69	-34.19	-85.57
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.18	-0.27	-0.54
Fort Wayne, IN	Ozone	Maintenance	100	-	-91.10	-140.22	-288.79
Franklin County, PA	Ozone	Maintenance	100	-	-31.96	-49.41	-105.71
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.18	-0.28	-0.57
Frederick County, VA	Ozone	Former Subpart 1	50	-	-51.57	-78.80	-151.47
Fredericksburg, VA	Ozone	Maintenance	100	-	-49.70	-78.47	-198.69

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Table B.1-239							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.61	-1.08	-4.69
Fresno, CA	CO	Maintenance	100	-	-23.88	-40.82	-160.89
Grand Rapids, MI	Ozone	Maintenance	100	-	-85.31	-135.14	-350.55
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-6.88	-10.67	-23.37
Grant County, NM	SO _x	Maintenance	100	-	-0.87	-1.33	-2.59
Grants Pass, OR	CO	Maintenance	100	-	-0.10	-0.15	-0.33
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-7.22	-11.17	-24.00
Great Falls, MT	CO	Maintenance	100	-	-6.71	-10.25	-19.73
Greater Connecticut, CT	Ozone	Moderate	50	-	-98.06	-160.08	-502.28
Greeley, CO	CO	Maintenance	100	-	-33.11	-50.94	-104.45
Green Bay, WI	SO _x	Maintenance	100	-	-10.94	-17.46	-47.56
Greene County, IN	Ozone	Maintenance	100	-	-20.50	-31.30	-59.63
Greene County, PA	Ozone	Maintenance	100	-	-14.11	-21.63	-42.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-140.24	-223.73	-609.43
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-63.09	-101.13	-284.29
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-261.39	-400.95	-799.35
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-1.57	-2.54	-7.49
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-12.92	-20.38	-51.13
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-50.26	-82.56	-268.17
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-49.79	-81.32	-255.99
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-53.06	-87.81	-296.62
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.60	-0.99	-3.26
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-3.28	-5.28	-15.17
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.22	-0.37	-1.35
Hazelwood, PA	SO _x	Maintenance	100	-	-5.51	-8.61	-20.21
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-13.95	-22.32	-62.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-24.90	-39.72	-108.04
Hollis Township, IL	SO _x	Maintenance	100	-	-0.09	-0.15	-0.58

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Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1,967.86	-3,013.30	-5,909.68
Humphreys County, TN	SO _x	Maintenance	100	-	-0.89	-1.37	-2.69
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-218.86	-332.38	-599.72
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-180.19	-273.01	-480.08
Huron County, MI	Ozone	Maintenance	100	-	-5.25	-8.12	-17.59
Imperial County, CA	Ozone	Moderate	50	-	-13.89	-22.79	-73.69
Imperial Valley, CA	PM ₁₀	Serious	70	-	-13.58	-22.30	-72.11
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-3.58	-5.64	-14.17
Indianapolis, IN	CO	Maintenance	100	-	-0.14	-0.21	-0.48
Indianapolis, IN	Ozone	Maintenance	100	-	-204.10	-323.64	-845.60
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-155.57	-247.19	-655.12
Jackson County, IN	Ozone	Maintenance	100	-	-32.18	-49.14	-93.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	-17.13	-26.99	-67.40
Jefferson County, NY	Ozone	Moderate	50	-	-6.49	-10.71	-35.79
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-2.89	-4.41	-8.39
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-75.05	-114.81	-223.14
Johnstown, PA	Ozone	Maintenance	100	-	-15.71	-24.36	-53.50
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-20.43	-31.55	-66.83
Juneau, AK	PM ₁₀	Moderate	100	-	-5.38	-8.21	-15.60
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-71.13	-111.06	-258.40
Kalispell, MT	PM ₁₀	Moderate	100	-	-7.76	-11.94	-24.71
Kansas City, MO-KS	Ozone	Maintenance	100	-	-304.66	-472.77	-1,045.84
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-0.40	-1.73	-24.74
Kent, WA	PM ₁₀	Maintenance	100	-	-2.88	-4.55	-11.65
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-9.10	-14.34	-36.02
Kewaunee County, WI	Ozone	Maintenance	100	-	-1.96	-3.14	-8.75
King County, WA	PM ₁₀	Maintenance	100	-	-1.14	-1.80	-4.61
Klamath Falls, OR	CO	Maintenance	100	-	-12.88	-19.80	-40.19

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Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-12.88	-19.80	-40.19
Knoxville, TN	Ozone	Former Subpart 1	50	-	-281.09	-433.74	-913.70
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-232.61	-358.31	-743.03
La Porte County, IN	SO _x	Maintenance	100	-	-9.23	-14.17	-28.50
LaGrande, OR	PM ₁₀	Maintenance	100	-	-5.08	-7.78	-15.22
Lake County, IN	SO _x	Maintenance	100	-	-50.27	-78.02	-172.84
Lake County, OH	SO _x	Maintenance	100	-	-1.29	-2.20	-8.75
Lake County, OR	PM ₁₀	Maintenance	100	-	-1.75	-2.69	-5.35
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-0.28	-0.70	-6.49
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-0.83	-1.86	-14.76
Lake Tahoe, NV	CO	Maintenance	100	-	-1.15	-1.89	-6.11
Lamar, CO	PM ₁₀	Maintenance	100	-	-5.75	-8.75	-15.92
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.11	-0.17	-0.47
Lancaster, PA	Ozone	Maintenance	100	-	-14.83	-25.85	-110.20
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-14.83	-25.85	-110.20
Lane County, OR	PM ₁₀	Moderate	100	-	-0.27	-0.41	-0.88
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-21.15	-35.51	-128.97
LaPorte, IN	Ozone	Maintenance	100	-	-25.71	-39.48	-79.41
Las Vegas, NV	CO	Serious	100	-	-76.37	-127.93	-459.38
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-77.31	-129.51	-465.05
Lauderdale County, AL	SO _x	Maintenance	100	-	-3.64	-6.13	-22.42
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.42	-0.65	-1.33
Libby, MT	PM ₁₀	Moderate	100	-	-0.68	-1.06	-2.37
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.91	-1.41	-3.16
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-1.70	-2.66	-6.26
Lima, OH	Ozone	Maintenance	100	-	-58.99	-89.80	-165.99
Longmont, CO	CO	Maintenance	100	-	-1.63	-3.22	-20.11
Lorain County, OH	SO _x	Maintenance	100	-	-2.37	-3.93	-13.29

Appendix B

**Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-830.50	-1,375.05	-4,657.41
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-830.50	-1,375.05	-4,657.41
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-830.50	-1,375.05	-4,657.41
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-830.52	-1,375.08	-4,657.47
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-830.46	-1,374.99	-4,657.19
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-27.25	-46.70	-185.84
Louisville, KY-IN	Ozone	Maintenance	100	-	-90.92	-145.52	-404.89
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-92.05	-146.89	-400.56
Lowell, MA	CO	Maintenance	100	-	-4.28	-7.35	-29.60
Lucas County, OH	SO _x	Maintenance	100	-	-23.73	-37.93	-104.45
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-3.19	-5.25	-17.33
Macon, GA	Ozone	Maintenance	100	-	-57.51	-88.24	-176.39
Macon, GA	PM _{2.5}	Nonattainment	100	-	-57.07	-87.55	-174.89
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.42	-0.65	-1.49
Madison, WI	SO _x	Maintenance	100	-	-18.71	-30.25	-89.90
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-1.16	-1.85	-4.88
Manchester, NH	CO	Maintenance	100	-	-0.63	-1.49	-12.93
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-3.11	-5.43	-23.31
Marion County, IN	SO _x	Maintenance	100	-	-48.12	-74.85	-168.82
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-4.68	-8.06	-32.65
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-63.47	-98.18	-211.41
Mason County, MI	Ozone	Maintenance	100	-	-3.92	-6.12	-14.17
Medford, OR	CO	Maintenance	100	-	-2.08	-3.80	-19.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-5.00	-9.12	-45.67
Memphis, TN-AR	Ozone	Maintenance	100	-	-146.46	-228.14	-520.90
Memphis, TN	CO	Maintenance	100	-	-93.64	-147.91	-375.70
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-2.77	-4.43	-12.14

Appendix B

Table B.1-239							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2040							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.60	-0.94	-2.27
Milwaukee, WI	SO _x	Maintenance	100	-	-43.33	-69.19	-189.63
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-118.63	-192.61	-585.75
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-476.99	-742.22	-1,679.91
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-346.36	-544.48	-1,335.62
Missoula, MT	CO	Maintenance	100	-	-28.67	-43.73	-82.61
Missoula, MT	PM ₁₀	Moderate	100	-	-27.75	-42.33	-79.97
Modesto, CA	CO	Maintenance	100	-	-26.39	-42.48	-122.57
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-8.39	-13.57	-40.16
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.16	-0.26	-0.68
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.31	-0.50	-1.30
Morristown, NJ	CO	Maintenance	100	-	-1.25	-2.16	-8.93
Muhlenberg County, KY	SO _x	Maintenance	100	-	-6.37	-9.82	-20.45
Muncie, IN	Ozone	Maintenance	100	-	-46.46	-70.88	-134.12
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.88	-1.36	-2.98
Muscatine County, IA	SO _x	Maintenance	100	-	-3.30	-5.10	-10.80
Muskegon, MI	Ozone	Maintenance	100	-	-23.71	-36.76	-80.71
Nashua, NH	CO	Maintenance	100	-	-0.51	-1.20	-10.41
Nashville, TN	Ozone	Former Subpart 1	50	-	-125.73	-202.66	-589.75
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-6.59	-11.25	-44.25
New Haven County, CT	PM ₁₀	Maintenance	100	-	-25.87	-40.18	-89.38
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-123.49	-192.07	-433.12
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-1.89	-2.89	-5.66
New York County, NY	PM ₁₀	Moderate	100	-	-244.37	-371.91	-686.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-984.17	-1,542.98	-3,708.37
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1,414.53	-2,246.37	-5,930.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1,378.37	-2,190.80	-5,817.60
Nogales, AZ	PM ₁₀	Moderate	100	-	-3.32	-5.32	-15.10

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Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-200.82	-314.78	-755.26
Ogden, UT	CO	Maintenance	100	-	-3.28	-5.46	-19.10
Ogden, UT	PM ₁₀	Moderate	100	-	-3.28	-5.46	-19.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.15	-0.24	-0.70
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-2.36	-3.71	-9.06
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-8.05	-13.02	-38.84
Owens Valley, CA	PM ₁₀	Serious	70	-	-0.38	-0.61	-1.68
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-30.11	-46.48	-98.28
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-32.12	-49.52	-103.53
Payson, AZ	PM ₁₀	Maintenance	100	-	-1.78	-2.85	-7.80
Penns Grove, NJ	CO	Maintenance	100	-	-0.03	-0.05	-0.15
Peoria, IL	SO _x	Maintenance	100	-	-3.84	-6.50	-24.72
Perth Amboy, NJ	CO	Maintenance	100	-	-10.33	-16.25	-40.21
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-25.34	-40.95	-120.91
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-662.54	-1,032.62	-2,368.54
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-767.40	-1,206.59	-2,964.29
Phoenix, AZ	CO	Maintenance	100	-	-113.00	-213.51	-1,186.90
Phoenix, AZ	PM ₁₀	Serious	70	-	-118.25	-222.62	-1,224.91
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-118.60	-223.27	-1,228.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	-3.80	-5.81	-11.22
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.26	-0.40	-0.83
Pittsburgh, PA	CO	Maintenance	100	-	-3.66	-5.73	-13.45
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-240.16	-376.95	-913.73
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-202.18	-318.36	-790.98
Polk County, TN	SO _x	Maintenance	100	-	-5.31	-8.17	-16.70
Polson, MT	PM ₁₀	Moderate	100	-	-0.32	-0.51	-1.34
Portland, ME	Ozone	Maintenance	100	-	-47.34	-75.69	-209.07

Appendix B

Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-77.05	-124.94	-376.96
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-11.02	-16.95	-34.63
Poughkeepsie, NY	Ozone	Moderate	50	-	-60.41	-102.42	-389.18
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-1.98	-3.05	-6.37
Providence (entire State), RI	Ozone	Moderate	50	-	-110.01	-173.61	-438.21
Provo, UT	CO	Maintenance	100	-	-11.50	-18.70	-57.36
Raleigh-Durham, NC	CO	Maintenance	100	-	-48.61	-83.93	-344.76
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-77.67	-131.58	-497.96
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.31	-0.48	-1.06
Reading, PA	Ozone	Maintenance	100	-	-27.90	-44.59	-122.81
Reading, PA	PM _{2.5}	Nonattainment	100	-	-27.90	-44.59	-122.81
Reno, NV	CO	Maintenance	100	-	-18.29	-29.45	-85.17
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.19	-0.30	-0.66
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-90.11	-145.18	-421.40
Rillito, AZ	PM ₁₀	Moderate	100	-	-3.98	-6.42	-18.83
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-5.08	-13.31	-131.05
Roanoke, VA	Ozone	Former Subpart 1	50	-	-45.80	-71.02	-156.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-10.09	-15.85	-38.68
Rochester, NY	Ozone	Former Subpart 1	50	-	-86.69	-140.83	-429.48
Rocky Mount, NC	Ozone	Maintenance	100	-	-25.05	-39.14	-91.69
Rome, GA	PM _{2.5}	Nonattainment	100	-	-27.97	-43.10	-89.50
Ronan, MT	PM ₁₀	Moderate	100	-	-0.12	-0.20	-0.51
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.51	-0.79	-1.67
Sacramento County, CA	PM ₁₀	Moderate	100	-	-49.76	-87.97	-396.00
Sacramento Metro, CA	Ozone	Severe	25	-	-130.06	-219.89	-824.61
Sacramento, CA	CO	Maintenance	100	-	-54.46	-96.67	-441.41
Salem, OR	CO	Maintenance	100	-	-7.06	-11.62	-38.15
Salt Lake City, UT	CO	Maintenance	100	-	-16.04	-25.87	-75.47

Appendix B

**Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-50.75	-84.58	-296.22
Salt Lake County, UT	SO _x	Nonattainment	100	-	-43.81	-74.11	-278.63
San Antonio, TX	Ozone	Former Subpart 1	50	-	-373.03	-577.49	-1,251.73
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-10.73	-19.65	-99.70
San Diego, CA	CO	Maintenance	100	-	-93.78	-176.55	-971.37
San Diego, CA	Ozone	Former Subpart 1	50	-	-93.95	-176.87	-973.20
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-638.62	-1,015.41	-2,703.29
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-657.06	-1,049.83	-2,888.29
San Joaquin Valley, CA	Ozone	Extreme	10	-	-360.11	-582.17	-1,725.30
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-361.85	-584.91	-1,732.18
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-360.11	-582.17	-1,725.30
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.58	-2.66	-9.86
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.26	-0.39	-0.76
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-65.65	-104.06	-271.23
Seattle-Tacoma, WA	CO	Maintenance	100	-	-293.05	-465.89	-1,239.09
Sheboygan, WI	Ozone	Moderate	50	-	-9.70	-15.56	-43.89
Sheridan, WY	PM ₁₀	Moderate	100	-	-8.68	-13.25	-25.34
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Somerville, NJ	CO	Maintenance	100	-	-0.47	-0.85	-4.05
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-46.39	-73.39	-188.44
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-8.09	-13.33	-43.94
Spokane County, WA	PM ₁₀	Maintenance	100	-	-38.86	-60.97	-147.56
Spokane, WA	CO	Maintenance	100	-	-38.43	-60.30	-145.92
Springfield (western MA), MA	Ozone	Moderate	50	-	-31.88	-54.79	-220.79
Springfield, MA	CO	Maintenance	100	-	-6.49	-10.91	-39.79
St. Louis, MO	CO	Maintenance	100	-	-235.14	-360.94	-724.44
St. Louis, MO-IL	Ozone	Moderate	50	-	-581.31	-898.54	-1,921.64
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-580.35	-896.95	-1,916.23

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Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-3.93	-7.28	-38.40
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-2.53	-3.99	-9.85
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-16.65	-25.41	-48.34
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-42.49	-64.77	-121.47
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-42.49	-64.77	-121.47
Stockton, CA	CO	Maintenance	100	-	-30.82	-50.51	-162.21
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-0.00	-0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-88.89	-137.85	-303.27
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.09	-0.15	-0.53
Terre Haute, IN	Ozone	Maintenance	100	-	-37.93	-58.14	-114.97
Tioga County, PA	Ozone	Maintenance	100	-	-3.11	-5.10	-16.23
Toledo, OH	Ozone	Maintenance	100	-	-111.48	-172.18	-365.54
Toms River, NJ	CO	Maintenance	100	-	-3.06	-5.44	-25.02
Tooele County, UT	SO _x	Nonattainment	100	-	-19.27	-29.86	-65.26
Trenton, NJ	CO	Maintenance	100	-	-3.98	-6.68	-24.23
Trona, CA	PM ₁₀	Moderate	100	-	-0.08	-0.15	-0.78
Tucson, AZ	CO	Maintenance	100	-	-76.39	-123.27	-361.37
Utah County, UT	PM ₁₀	Moderate	100	-	-33.37	-54.27	-166.47
Vancouver, WA	CO	Maintenance	100	-	-17.96	-29.70	-100.03
Ventura County, CA	Ozone	Serious	50	-	-24.43	-44.01	-211.40
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-3.70	-5.63	-10.42
Vigo County, IN	SO _x	Maintenance	100	-	-37.93	-58.14	-114.97
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-2.01	-3.45	-13.89
Warren County, NJ	SO _x	Maintenance	100	-	-1.31	-2.26	-9.09
Warren County, PA	SO _x	Nonattainment	100	-	-1.04	-1.67	-4.71
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-44.57	-68.82	-145.94
Washington, DC-MD-VA	CO	Maintenance	100	-	-50.01	-87.50	-379.05

Appendix B

**Table B.1-239
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-197.02	-340.41	-1,402.35
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-182.15	-317.02	-1,344.69
Washoe County, NV	PM ₁₀	Serious	70	-	-18.29	-29.45	-85.17
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-1.32	-2.03	-3.98
Wayne County, IN	SO _x	Maintenance	100	-	-16.52	-25.41	-52.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	-34.98	-53.42	-101.90
Weirton, WV	PM ₁₀	Maintenance	100	-	-2.64	-4.04	-7.95
Weirton, WV	SO _x	Maintenance	100	-	-3.56	-5.45	-10.71
Wheeling, WV-OH	Ozone	Maintenance	100	-	-40.99	-62.86	-125.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-40.99	-62.86	-125.09
Winston-Salem, NC	CO	Maintenance	100	-	-37.91	-60.34	-161.73
Worcester, MA	CO	Maintenance	100	-	-5.74	-10.42	-51.37
Yakima County, WA	PM ₁₀	Maintenance	100	-	-17.05	-26.45	-58.23
Yakima, WA	CO	Maintenance	100	-	-7.68	-11.92	-26.24
York, PA	Ozone	Maintenance	100	-	-39.79	-63.52	-173.64
York, PA	PM _{2.5}	Nonattainment	100	-	-25.36	-40.97	-120.73
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-52.25	-83.28	-225.56
Yuma, AZ	PM ₁₀	Moderate	100	-	-18.14	-28.90	-78.03

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.77	-0.99	-1.88
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-0.41	-0.56	-1.82
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-0.42	-0.59	-1.89
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-191.80	-257.61	-686.13
Albuquerque, NM	CO	Maintenance	100	-	-69.92	-95.13	-277.13
Allegan County, MI	Ozone	Former Subpart 1	50	-	-34.02	-44.96	-105.62
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-47.62	-66.99	-237.36
Altoona, PA	Ozone	Maintenance	100	-	-34.37	-44.57	-87.67
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	1.76	-0.37	-54.06
Anchorage, AK	CO	Maintenance	100	-	-53.70	-69.85	-141.88
Anthony, NM	PM ₁₀	Moderate	100	-	-2.39	-3.11	-6.35
Armstrong County, PA	SO _x	Nonattainment	100	-	-0.10	-0.18	-1.41
Aspen, CO	PM ₁₀	Maintenance	100	-	-2.41	-3.14	-6.52
Atlanta, GA	Ozone	Moderate	50	-	-790.25	-1,083.50	-3,316.10
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-791.16	-1,084.68	-3,318.43
Atlantic City, NJ	CO	Maintenance	100	-	-2.23	-3.36	-16.04
Bakersfield, CA	CO	Maintenance	100	-	-98.62	-130.55	-310.61
Baltimore, MD	CO	Maintenance	100	-	-3.16	-4.11	-8.37
Baltimore, MD	Ozone	Moderate	50	-	-151.11	-226.67	-1,065.03
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-151.11	-226.67	-1,065.02
Baton Rouge, LA	Ozone	Moderate	50	-	-554.83	-711.63	-1,242.56
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-989.58	-1,259.09	-1,991.50
Benton County, TN	SO _x	Maintenance	100	-	-1.04	-1.34	-2.25
Benton Harbor, MI	Ozone	Maintenance	100	-	-72.74	-93.91	-176.52
Benzie County, MI	Ozone	Maintenance	100	-	-6.81	-8.96	-20.04
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-42.64	-55.81	-120.25
Billings, MT	CO	Maintenance	100	-	-266.99	-339.41	-530.78
Birmingham, AL	Ozone	Maintenance	100	-	-142.97	-191.84	-507.59

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-144.12	-193.35	-510.66
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-123.03	-159.95	-322.98
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-123.03	-159.95	-322.98
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-6.23	-8.14	-17.03
Boston, MA	CO	Maintenance	100	-	-55.54	-79.65	-310.30
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-203.63	-315.34	-1,653.94
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-12.09	-22.95	-191.80
Boyd County (part), KY	SO _x	Maintenance	100	-	-18.68	-23.78	-38.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-129.58	-176.51	-518.18
Burlington, NJ	CO	Maintenance	100	-	-0.28	-0.41	-1.66
Butte, MT	PM ₁₀	Moderate	100	-	-21.43	-27.36	-45.22
Canon City, CO	PM ₁₀	Maintenance	100	-	-10.83	-13.99	-26.60
Canton-Massillon, OH	Ozone	Maintenance	100	-	-110.03	-142.50	-276.88
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-110.03	-142.50	-276.88
Case County, MI	Ozone	Maintenance	100	-	-13.98	-18.18	-36.93
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.49	-0.62	-1.13
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-4.42	-5.65	-9.66
Charleston, WV	Ozone	Maintenance	100	-	-31.26	-42.24	-117.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-31.26	-42.24	-117.63
Charlotte, NC	CO	Maintenance	100	-	-46.28	-67.75	-289.22
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-214.44	-291.75	-849.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-248.53	-320.96	-605.02
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-227.50	-293.86	-555.21
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-703.33	-973.73	-3,159.29
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-747.08	-1,031.97	-3,304.35
Chico, CA	CO	Maintenance	100	-	-14.61	-20.20	-65.17
Chico, CA	Ozone	Former Subpart 1	50	-	-30.61	-42.33	-136.53
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-220.70	-301.88	-910.16

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-203.46	-279.30	-861.32
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-3.00	-3.91	-8.24
Clark County, NV	PM ₁₀	Serious	70	-	-88.94	-132.91	-615.69
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-137.74	-177.80	-333.47
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-81.52	-105.29	-198.59
Cleveland, OH	CO	Maintenance	100	-	-139.58	-185.57	-457.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-246.96	-340.04	-1,068.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-227.53	-313.10	-980.03
Coachella Valley, CA	PM ₁₀	Serious	70	-	11.29	5.12	-181.82
Colbert County, AL	SO _x	Maintenance	100	-	-25.06	-32.32	-60.07
Colorado Springs, CO	CO	Maintenance	100	-	-156.80	-206.34	-466.81
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-2.41	-3.13	-6.22
Columbia, SC	Ozone	Former Subpart 1	50	-	-274.09	-354.90	-687.86
Columbus, OH	Ozone	Maintenance	100	-	-253.07	-341.61	-943.06
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-212.14	-288.28	-833.04
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.40	-0.53	-1.32
Coso Junction, CA	PM ₁₀	Moderate	100	-	-0.06	-0.07	-0.16
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-139.58	-185.57	-457.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	-145.06	-191.35	-441.85
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-716.84	-997.69	-3,336.18
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-123.93	-165.58	-423.99
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-107.56	-143.78	-369.87
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-154.44	-232.91	-1,116.01
Denver-Boulder, CO	CO	Maintenance	100	-	-153.33	-229.86	-1,077.57
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-336.57	-471.56	-1,635.68
Detroit, MI	CO	Maintenance	100	-	-341.85	-446.88	-951.88
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-677.40	-909.87	-2,424.46
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-645.13	-867.99	-2,341.34

Appendix B

Table B.1-240							
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2							
Volatile Organic Compound (VOC) 2060							
Nonattainment Area	Pollutant	Status^b	General Conformity Threshold^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-0.84	-1.50	-11.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-3.66	-5.01	-15.09
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-3.02	-4.12	-12.43
Duluth, MN	CO	Maintenance	100	-	-33.31	-43.04	-81.65
Eagle River, AK	PM ₁₀	Moderate	100	-	-3.46	-4.49	-9.13
East Chicago, IN	CO	Maintenance	100	-	-0.28	-0.36	-0.75
East Chicago, IN	PM ₁₀	Maintenance	100	-	-192.58	-246.32	-416.10
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.39	-0.50	-0.99
El Paso County, TX	PM ₁₀	Moderate	100	-	-95.62	-126.92	-308.62
El Paso, TX	CO	Maintenance	100	-	-4.35	-5.85	-15.78
Erie, PA	Ozone	Maintenance	100	-	-31.70	-42.51	-112.04
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-0.09	-0.13	-0.62
Eugene-Springfield, OR	CO	Maintenance	100	-	-86.59	-112.50	-225.83
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-83.20	-108.10	-216.99
Evansville, IN	Ozone	Maintenance	100	-	-52.64	-69.48	-161.23
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-88.50	-115.67	-245.89
Fairbanks, AK	CO	Maintenance	100	-	-10.83	-13.95	-25.66
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-24.45	-34.26	-118.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-3.13	-4.06	-8.07
Flint, MI	Ozone	Maintenance	100	-	-64.29	-86.95	-243.34
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.51	-0.65	-1.13
Fort Collins, CO	CO	Maintenance	100	-	-33.29	-44.50	-114.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.30	-0.38	-0.70
Fort Wayne, IN	Ozone	Maintenance	100	-	-158.82	-205.46	-394.52
Franklin County, PA	Ozone	Maintenance	100	-	-52.00	-67.70	-138.74
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.39	-0.50	-0.91
Frederick County, VA	Ozone	Former Subpart 1	50	-	-86.81	-111.55	-199.04
Fredericksburg, VA	Ozone	Maintenance	100	-	-76.91	-103.01	-268.74

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Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-0.94	-1.44	-7.39
Fresno, CA	CO	Maintenance	100	-	-24.91	-38.91	-209.74
Grand Rapids, MI	Ozone	Maintenance	100	-	-136.76	-183.12	-476.64
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-11.24	-14.63	-29.88
Grant County, NM	SO _x	Maintenance	100	-	-1.42	-1.83	-3.26
Grants Pass, OR	CO	Maintenance	100	-	-0.17	-0.23	-0.46
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-12.89	-16.77	-34.28
Great Falls, MT	CO	Maintenance	100	-	-12.66	-16.22	-28.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-155.43	-214.32	-679.03
Greeley, CO	CO	Maintenance	100	-	-54.44	-70.53	-137.58
Green Bay, WI	SO _x	Maintenance	100	-	-16.35	-22.12	-62.05
Greene County, IN	Ozone	Maintenance	100	-	-37.95	-48.66	-84.72
Greene County, PA	Ozone	Maintenance	100	-	-26.02	-33.47	-60.29
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-218.30	-294.29	-805.16
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-96.64	-131.03	-372.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-438.87	-565.81	-1,047.34
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-2.45	-3.35	-10.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-22.28	-29.53	-71.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-72.23	-101.68	-361.67
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-72.75	-101.55	-345.14
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-80.43	-112.83	-394.15
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-0.78	-1.12	-4.37
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-4.90	-6.73	-20.86
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-0.41	-0.57	-2.00
Hazelwood, PA	SO _x	Maintenance	100	-	-11.83	-15.44	-32.50
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-22.29	-30.03	-81.93
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-41.37	-55.50	-146.46
Hollis Township, IL	SO _x	Maintenance	100	-	-0.13	-0.18	-0.75

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Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3,418.65	-4,401.86	-8,033.46
Humphreys County, TN	SO _x	Maintenance	100	-	-1.68	-2.16	-3.90
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-406.98	-519.14	-848.30
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-338.70	-431.06	-684.25
Huron County, MI	Ozone	Maintenance	100	-	-9.52	-12.36	-24.63
Imperial County, CA	Ozone	Moderate	50	-	-17.18	-24.69	-97.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	-16.82	-24.16	-95.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-4.55	-6.11	-16.23
Indianapolis, IN	CO	Maintenance	100	-	-0.21	-0.27	-0.57
Indianapolis, IN	Ozone	Maintenance	100	-	-329.49	-441.31	-1,151.54
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-249.11	-334.59	-891.28
Jackson County, IN	Ozone	Maintenance	100	-	-58.04	-74.44	-129.97
Jamestown, NY	Ozone	Former Subpart 1	50	-	-30.01	-39.69	-93.75
Jefferson County, NY	Ozone	Moderate	50	-	-9.55	-13.44	-47.72
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-5.24	-6.71	-11.47
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-134.92	-173.33	-308.29
Johnstown, PA	Ozone	Maintenance	100	-	-28.93	-37.50	-73.52
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-37.36	-48.27	-91.53
Juneau, AK	PM ₁₀	Moderate	100	-	-9.87	-12.67	-22.37
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-123.43	-161.85	-354.88
Kalispell, MT	PM ₁₀	Moderate	100	-	-12.63	-16.39	-32.56
Kansas City, MO-KS	Ozone	Maintenance	100	-	-521.71	-681.27	-1,436.26
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	2.50	1.46	-32.90
Kent, WA	PM ₁₀	Maintenance	100	-	-4.76	-6.36	-16.39
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-11.91	-15.99	-42.45
Kewaunee County, WI	Ozone	Maintenance	100	-	-3.37	-4.52	-12.08
King County, WA	PM ₁₀	Maintenance	100	-	-1.82	-2.44	-6.28
Klamath Falls, OR	CO	Maintenance	100	-	-23.03	-29.72	-55.50

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Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-23.03	-29.72	-55.50
Knoxville, TN	Ozone	Former Subpart 1	50	-	-462.55	-601.41	-1,215.96
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-385.80	-500.44	-988.02
La Porte County, IN	SO _x	Maintenance	100	-	-16.09	-20.74	-38.29
LaGrande, OR	PM ₁₀	Maintenance	100	-	-9.25	-11.90	-21.38
Lake County, IN	SO _x	Maintenance	100	-	-84.87	-110.63	-229.13
Lake County, OH	SO _x	Maintenance	100	-	-1.85	-2.72	-11.78
Lake County, OR	PM ₁₀	Maintenance	100	-	-3.28	-4.22	-7.63
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.54	0.22	-9.32
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.51	-0.42	-22.61
Lake Tahoe, NV	CO	Maintenance	100	-	-1.80	-2.50	-8.20
Lamar, CO	PM ₁₀	Maintenance	100	-	-14.98	-19.09	-30.81
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.17	-0.23	-0.60
Lancaster, PA	Ozone	Maintenance	100	-	-17.63	-27.46	-146.82
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-17.63	-27.46	-146.82
Lane County, OR	PM ₁₀	Moderate	100	-	-0.38	-0.50	-1.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-31.42	-45.06	-175.70
LaPorte, IN	Ozone	Maintenance	100	-	-44.62	-57.51	-106.17
Las Vegas, NV	CO	Serious	100	-	-88.94	-132.91	-615.69
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-89.86	-134.28	-622.07
Lauderdale County, AL	SO _x	Maintenance	100	-	-5.29	-7.58	-29.40
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.71	-0.91	-1.75
Libby, MT	PM ₁₀	Moderate	100	-	-1.18	-1.54	-3.18
Libby, MT	PM _{2.5}	Nonattainment	100	-	-1.58	-2.06	-4.24
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-3.00	-3.91	-8.24
Lima, OH	Ozone	Maintenance	100	-	-109.45	-139.92	-234.88
Longmont, CO	CO	Maintenance	100	-	-0.84	-2.27	-28.44
Lorain County, OH	SO _x	Maintenance	100	-	-3.52	-4.97	-17.95

Appendix B

**Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-1,220.88	-1,733.38	-6,437.90
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-1,220.88	-1,733.38	-6,437.90
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-1,220.88	-1,733.38	-6,437.90
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-1,220.90	-1,733.41	-6,437.96
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-1,220.81	-1,733.29	-6,437.59
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-36.97	-55.42	-259.85
Louisville, KY-IN	Ozone	Maintenance	100	-	-144.66	-195.31	-540.05
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-147.99	-198.96	-533.57
Lowell, MA	CO	Maintenance	100	-	-6.42	-9.51	-42.65
Lucas County, OH	SO _x	Maintenance	100	-	-45.31	-60.35	-150.98
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-5.10	-7.07	-23.16
Macon, GA	Ozone	Maintenance	100	-	-102.19	-131.58	-240.20
Macon, GA	PM _{2.5}	Nonattainment	100	-	-101.46	-130.63	-238.23
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-0.71	-0.92	-1.95
Madison, WI	SO _x	Maintenance	100	-	-27.27	-37.76	-122.72
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-2.15	-2.89	-7.81
Manchester, NH	CO	Maintenance	100	-	0.10	-0.58	-15.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-4.37	-6.58	-31.22
Marion County, IN	SO _x	Maintenance	100	-	-83.28	-108.71	-228.45
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-5.60	-8.71	-46.51
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-103.60	-134.91	-276.90
Mason County, MI	Ozone	Maintenance	100	-	-6.80	-8.92	-19.64
Medford, OR	CO	Maintenance	100	-	-1.80	-3.33	-26.53
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-4.35	-8.04	-64.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-259.47	-338.97	-717.64
Memphis, TN	CO	Maintenance	100	-	-164.24	-217.49	-518.80
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-4.23	-5.75	-16.57

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-0.90	-1.19	-2.76
Milwaukee, WI	SO _x	Maintenance	100	-	-77.40	-103.51	-267.09
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-186.33	-256.28	-799.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-813.79	-1,065.69	-2,307.14
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-570.66	-756.36	-1,818.17
Missoula, MT	CO	Maintenance	100	-	-49.29	-63.22	-110.38
Missoula, MT	PM ₁₀	Moderate	100	-	-47.68	-61.15	-106.78
Modesto, CA	CO	Maintenance	100	-	-41.74	-57.16	-173.67
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-11.83	-16.46	-55.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	-0.27	-0.36	-0.98
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-0.46	-0.62	-1.63
Morristown, NJ	CO	Maintenance	100	-	-1.82	-2.75	-13.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	-11.66	-15.07	-28.66
Muncie, IN	Ozone	Maintenance	100	-	-86.61	-110.87	-189.13
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-2.71	-3.50	-6.62
Muscatine County, IA	SO _x	Maintenance	100	-	-6.25	-8.10	-15.85
Muskegon, MI	Ozone	Maintenance	100	-	-41.04	-53.48	-110.72
Nashua, NH	CO	Maintenance	100	-	0.08	-0.48	-12.62
Nashville, TN	Ozone	Former Subpart 1	50	-	-184.39	-253.37	-785.90
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-7.64	-11.91	-63.87
New Haven County, CT	PM ₁₀	Maintenance	100	-	-50.80	-66.23	-137.58
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-214.17	-279.70	-590.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-5.15	-6.59	-11.21
New York County, NY	PM ₁₀	Moderate	100	-	-438.08	-559.94	-938.11
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1,686.21	-2,221.38	-5,073.04
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2,350.46	-3,143.24	-8,106.15
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2,288.82	-3,063.57	-7,954.56
Nogales, AZ	PM ₁₀	Moderate	100	-	-4.76	-6.52	-19.71

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Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-347.79	-458.03	-1,043.19
Ogden, UT	CO	Maintenance	100	-	-4.42	-6.33	-24.59
Ogden, UT	PM ₁₀	Moderate	100	-	-4.42	-6.33	-24.59
Oglesby, IL	PM ₁₀	Maintenance	100	-	-0.19	-0.26	-0.78
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-3.17	-4.22	-10.36
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-10.91	-15.20	-51.16
Owens Valley, CA	PM ₁₀	Serious	70	-	-1.48	-1.94	-4.27
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.09
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-54.85	-71.03	-137.90
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-60.46	-78.16	-148.94
Payson, AZ	PM ₁₀	Maintenance	100	-	-2.64	-3.59	-10.34
Penns Grove, NJ	CO	Maintenance	100	-	-0.05	-0.06	-0.20
Peoria, IL	SO _x	Maintenance	100	-	-5.56	-8.04	-32.59
Perth Amboy, NJ	CO	Maintenance	100	-	-19.40	-25.71	-61.78
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-40.76	-55.31	-158.47
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1,164.34	-1,523.78	-3,279.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1,311.49	-1,733.31	-4,068.90
Phoenix, AZ	CO	Maintenance	100	-	-33.52	-114.26	-1,651.21
Phoenix, AZ	PM ₁₀	Serious	70	-	-38.27	-122.11	-1,700.69
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-38.38	-122.43	-1,704.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	-6.72	-8.63	-15.12
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.45	-0.59	-1.08
Pittsburgh, PA	CO	Maintenance	100	-	-9.46	-12.36	-26.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-422.93	-556.83	-1,265.13
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-357.46	-472.03	-1,099.99
Polk County, TN	SO _x	Maintenance	100	-	-9.72	-12.55	-23.55
Polson, MT	PM ₁₀	Moderate	100	-	-0.58	-0.77	-2.00
Portland, ME	Ozone	Maintenance	100	-	-76.48	-103.18	-283.70

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-113.54	-156.49	-494.42
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-19.38	-25.03	-47.20
Poughkeepsie, NY	Ozone	Moderate	50	-	-79.85	-118.83	-541.86
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-3.67	-4.74	-8.98
Providence (entire State), RI	Ozone	Moderate	50	-	-190.08	-252.35	-614.71
Provo, UT	CO	Maintenance	100	-	-15.12	-21.27	-75.46
Raleigh-Durham, NC	CO	Maintenance	100	-	-49.43	-78.95	-454.53
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-88.59	-134.40	-657.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.52	-0.67	-1.38
Reading, PA	Ozone	Maintenance	100	-	-44.07	-59.47	-163.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	-44.07	-59.47	-163.76
Reno, NV	CO	Maintenance	100	-	-26.81	-36.70	-111.20
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.46	-0.60	-1.24
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-135.22	-184.83	-554.90
Rillito, AZ	PM ₁₀	Moderate	100	-	-5.87	-8.11	-26.12
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	11.29	5.12	-181.82
Roanoke, VA	Ozone	Former Subpart 1	50	-	-76.18	-99.30	-205.88
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-15.37	-20.42	-50.13
Rochester, NY	Ozone	Former Subpart 1	50	-	-141.57	-193.97	-591.02
Rocky Mount, NC	Ozone	Maintenance	100	-	-43.05	-56.49	-124.49
Rome, GA	PM _{2.5}	Nonattainment	100	-	-48.69	-63.02	-121.66
Ronan, MT	PM ₁₀	Moderate	100	-	-0.22	-0.29	-0.75
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.80	-1.04	-2.08
Sacramento County, CA	PM ₁₀	Moderate	100	-	-53.27	-88.26	-560.17
Sacramento Metro, CA	Ozone	Severe	25	-	-159.52	-240.72	-1,156.02
Sacramento, CA	CO	Maintenance	100	-	-53.07	-90.61	-617.24
Salem, OR	CO	Maintenance	100	-	-9.92	-13.96	-49.45
Salt Lake City, UT	CO	Maintenance	100	-	-24.48	-33.53	-102.06

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-67.43	-97.41	-392.64
Salt Lake County, UT	SO _x	Nonattainment	100	-	-54.31	-80.77	-367.42
San Antonio, TX	Ozone	Former Subpart 1	50	-	-595.88	-777.75	-1,632.30
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-7.45	-14.63	-129.05
San Diego, CA	CO	Maintenance	100	-	-63.17	-135.52	-1,346.77
San Diego, CA	Ozone	Former Subpart 1	50	-	-63.28	-135.77	-1,349.40
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1,015.73	-1,367.80	-3,712.50
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1,031.30	-1,397.22	-3,956.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	-514.85	-714.90	-2,359.40
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-516.68	-717.35	-2,365.90
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-514.85	-714.90	-2,359.40
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-1.77	-2.68	-13.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.48	-0.61	-1.08
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-112.89	-150.38	-376.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	-449.55	-605.96	-1,656.07
Sheboygan, WI	Ozone	Moderate	50	-	-15.38	-20.87	-59.81
Sheridan, WY	PM ₁₀	Moderate	100	-	-14.04	-18.03	-32.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.02
Somerville, NJ	CO	Maintenance	100	-	-0.47	-0.80	-5.37
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-76.41	-101.79	-254.72
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-11.02	-15.28	-50.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	-60.19	-79.87	-193.69
Spokane, WA	CO	Maintenance	100	-	-59.48	-78.92	-191.40
Springfield (western MA), MA	Ozone	Moderate	50	-	-45.71	-67.60	-300.69
Springfield, MA	CO	Maintenance	100	-	-10.97	-15.61	-58.51
St. Louis, MO	CO	Maintenance	100	-	-449.83	-578.47	-1,040.76
St. Louis, MO-IL	Ozone	Moderate	50	-	-1,032.55	-1,339.50	-2,647.41
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-1,031.17	-1,337.57	-2,640.37

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Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-3.91	-7.01	-53.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-3.89	-5.20	-13.44
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-32.50	-41.60	-71.13
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-79.24	-101.37	-171.72
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-79.24	-101.37	-171.72
Stockton, CA	CO	Maintenance	100	-	-48.56	-68.15	-238.52
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-160.64	-208.96	-424.28
Telluride, CO	PM ₁₀	Maintenance	100	-	-0.12	-0.18	-0.81
Terre Haute, IN	Ozone	Maintenance	100	-	-66.99	-86.15	-155.12
Tioga County, PA	Ozone	Maintenance	100	-	-5.17	-7.09	-21.93
Toledo, OH	Ozone	Maintenance	100	-	-202.19	-261.97	-511.15
Toms River, NJ	CO	Maintenance	100	-	-3.58	-5.85	-35.89
Tooele County, UT	SO _x	Nonattainment	100	-	-30.32	-39.62	-84.14
Trenton, NJ	CO	Maintenance	100	-	-6.09	-8.73	-33.81
Trona, CA	PM ₁₀	Moderate	100	-	-0.06	-0.12	-1.08
Tucson, AZ	CO	Maintenance	100	-	-107.19	-148.21	-477.32
Utah County, UT	PM ₁₀	Moderate	100	-	-43.14	-60.70	-215.36
Vancouver, WA	CO	Maintenance	100	-	-22.62	-32.78	-133.82
Ventura County, CA	Ozone	Serious	50	-	-24.39	-42.28	-297.80
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-7.00	-8.94	-14.94
Vigo County, IN	SO _x	Maintenance	100	-	-66.99	-86.15	-155.12
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	-2.83	-4.19	-18.78
Warren County, NJ	SO _x	Maintenance	100	-	-1.94	-2.86	-12.66
Warren County, PA	SO _x	Nonattainment	100	-	-2.10	-2.79	-6.90
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-73.82	-95.87	-191.73
Washington, DC-MD-VA	CO	Maintenance	100	-	-76.46	-115.25	-551.39

Appendix B

Table B.1-240
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Volatile Organic Compound (VOC) 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-219.39	-343.77	-1,870.94
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-194.76	-311.02	-1,790.03
Washoe County, NV	PM ₁₀	Serious	70	-	-26.81	-36.70	-111.20
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-2.40	-3.09	-5.54
Wayne County, IN	SO _x	Maintenance	100	-	-34.19	-44.00	-79.82
Wayne County, MI	PM ₁₀	Maintenance	100	-	-94.54	-121.26	-211.69
Weirton, WV	PM ₁₀	Maintenance	100	-	-5.54	-7.09	-12.10
Weirton, WV	SO _x	Maintenance	100	-	-7.89	-10.10	-17.22
Wheeling, WV-OH	Ozone	Maintenance	100	-	-75.89	-97.58	-175.31
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-75.89	-97.58	-175.31
Winston-Salem, NC	CO	Maintenance	100	-	-57.90	-78.02	-212.82
Worcester, MA	CO	Maintenance	100	-	-7.10	-11.74	-74.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	-27.63	-36.10	-76.42
Yakima, WA	CO	Maintenance	100	-	-13.64	-17.82	-37.72
York, PA	Ozone	Maintenance	100	-	-61.27	-82.90	-232.59
York, PA	PM _{2.5}	Nonattainment	100	-	-36.94	-50.87	-159.83
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-91.13	-121.57	-307.53
Yuma, AZ	PM ₁₀	Moderate	100	-	-25.70	-34.97	-102.15

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.15
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.03	0.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.03	0.07
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.02
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.28	0.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.28	0.78
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.13	0.35
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.13	0.35
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.03	-0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.62	-0.84	-1.39
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.02
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.04	0.12

Appendix B

**Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.12
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	0.04
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.02	0.04	0.10
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.22	0.61
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.03	0.08
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.05	0.14
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Charlotte, NC	CO	Maintenance	100	-	0.02	0.03	0.09
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.07	0.19
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.07
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.17	0.30	0.83
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.18	0.31	0.86
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.08	0.23

Appendix B

**Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.23
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.06	0.17
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	0.03
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Cleveland, OH	CO	Maintenance	100	-	0.02	0.04	0.11
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.11	0.31
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.29
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.07
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.07
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.08
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.07	0.20
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.04	0.11
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.09
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.29	0.81
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.04	0.10
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.12	0.35
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.12	0.33
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.09	0.15	0.42
Detroit, MI	CO	Maintenance	100	-	0.04	0.07	0.19
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.11	0.20	0.55
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.11	0.19	0.54

Appendix B

**Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.01
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.01	0.03
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.01	0.03
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.02
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.04
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.05

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.07
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.03	0.10
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.07	0.20
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.01
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.07	0.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.10
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.11
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.04	0.10
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.05	0.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.73	-0.93	-1.30
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.02
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	0.03
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.08	0.24
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.19
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.06
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.07	0.20
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.02
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	0.14
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.11
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.06
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	0.04	0.06	0.17
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.06	0.17
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.29	0.55	1.62
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.29	0.55	1.62
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.29	0.55	1.62
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.29	0.55	1.62
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.29	0.55	1.62
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.03	0.08
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.05	0.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.13
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.04	0.12
Memphis, TN	CO	Maintenance	100	-	0.02	0.04	0.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.08	0.21
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.03	0.06	0.24
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.12	0.33
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.02
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.01
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	0.07	0.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.03	0.09
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.19	0.34	0.94
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.36	0.64	1.77
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.36	0.63	1.76
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.07	0.19
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.05
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.11	0.19	0.53
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.16	0.28	0.78
Phoenix, AZ	CO	Maintenance	100	-	0.11	0.19	0.52
Phoenix, AZ	PM ₁₀	Serious	70	-	0.11	0.19	0.54
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.11	0.19	0.54
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.09	0.24
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.22
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.07

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.05	0.14
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.06	0.16
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.04	0.12
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.05	0.15
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.07	0.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Reno, NV	CO	Maintenance	100	-	0.01	0.01	0.03
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.05	0.15
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.03	0.07
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.06	0.16
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.02
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.06	0.17
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.11	0.30
Sacramento, CA	CO	Maintenance	100	-	0.04	0.07	0.19
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Salt Lake City, UT	CO	Maintenance	100	-	-0.04	-0.05	-0.08

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.02	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.04	0.12
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.08	0.22
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.05
San Diego, CA	CO	Maintenance	100	-	0.10	0.17	0.48
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.17	0.48
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.15	0.27	0.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.17	0.30	0.84
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.17	0.48
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.09	0.17	0.49
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.17	0.48
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.03	0.08
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	0.13	0.35
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.05
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	0.03
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.04	0.11
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.02
St. Louis, MO	CO	Maintenance	100	-	0.02	0.04	0.11
St. Louis, MO-IL	Ozone	Moderate	50	-	0.07	0.13	0.36
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.07	0.13	0.35

Appendix B

**Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.05
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.06
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.07
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.04	0.12
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	0.04
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	0.09
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.01
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.07	0.19

Appendix B

Table B.1-241
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.23	0.63
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.22	0.62
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	0.03
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.02
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.02
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.02	0.05
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	0.03
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.03	0.08
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	0.13	0.36
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.06	0.17
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.06	0.17
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.05
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.36	0.69	1.91
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.37	0.69	1.91
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	-0.00	0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.16	0.31	0.85
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.16	0.31	0.85
Baton Rouge, LA	Ozone	Moderate	50	-	-0.06	-0.07	-0.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.27	-1.91	-2.94
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.02	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.02	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.06	0.10	0.29

Appendix B

Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.06	0.10	0.29
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.03	0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.03	0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.05	0.09	0.24
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.28	0.53	1.45
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.04	0.07	0.18
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.12	0.33
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.03	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.03	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.08
Charlotte, NC	CO	Maintenance	100	-	0.04	0.08	0.21
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.09	0.17	0.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.16
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.38	0.73	2.01
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.40	0.75	2.08
Chico, CA	CO	Maintenance	100	-	0.01	0.01	0.03
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.07
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	0.20	0.56

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**Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.20	0.54
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.08	0.15	0.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.03	0.07
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Cleveland, OH	CO	Maintenance	100	-	0.05	0.10	0.27
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.14	0.26	0.73
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.13	0.24	0.67
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.07	0.18
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.06	0.17
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.04	0.07	0.19
Columbus, OH	Ozone	Maintenance	100	-	0.09	0.17	0.48
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.16	0.44
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	0.10	0.27
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.08	0.22
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.38	0.72	1.98
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.05	0.09	0.24
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.21
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.16	0.31	0.85
Denver-Boulder, CO	CO	Maintenance	100	-	0.16	0.29	0.81
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.20	0.37	1.02
Detroit, MI	CO	Maintenance	100	-	0.09	0.16	0.45
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.25	0.48	1.32
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.25	0.47	1.29

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**Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.03	0.05	0.14
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.06
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.03	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.08
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.03	0.05	0.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.02	0.05
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.04	0.10
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.04	0.12

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Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.03	0.06	0.17
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.08	0.23
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.09	0.17	0.47
Greeley, CO	CO	Maintenance	100	-	0.01	0.01	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	0.03
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	0.17	0.46
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.23
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.09	0.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.05	0.09	0.24
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.08	0.22
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.06	0.11	0.30
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.03	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-1.46	-2.09	-2.57
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.02	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.06
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.06
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.11	0.21	0.57
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.09	0.16	0.45
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.05	0.14
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.09	0.17	0.47
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.01

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Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.06	0.12	0.34
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.05	0.09	0.26
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.05	0.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.13
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.03	0.05	0.14
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Las Vegas, NV	CO	Serious	100	-	0.08	0.15	0.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.16	0.43
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.69	1.35	4.00
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.69	1.35	4.00
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.69	1.35	4.00
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.69	1.35	4.00
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.69	1.35	4.00
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.07	0.20
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.12	0.32
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.11	0.31
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.03	0.07
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
Memphis, TN-AR	Ozone	Maintenance	100	-	0.05	0.10	0.28
Memphis, TN	CO	Maintenance	100	-	0.05	0.09	0.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.05	0.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.10	0.18	0.51
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	0.16	0.61
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.15	0.29	0.80
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Modesto, CA	CO	Maintenance	100	-	0.02	0.03	0.09
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.01	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.09	0.17	0.47
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.08	0.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.05	0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.43	0.80	2.22
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.81	1.53	4.22
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.80	1.51	4.18
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.09	0.16	0.45
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.01	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.02
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.04	0.11
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.24	0.46	1.26
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.35	0.67	1.85
Phoenix, AZ	CO	Maintenance	100	-	0.26	0.48	1.34
Phoenix, AZ	PM ₁₀	Serious	70	-	0.26	0.50	1.38
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.27	0.50	1.38
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.11	0.21	0.57
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.19	0.52
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.06	0.16

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.06	0.11	0.32
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.07	0.14	0.39
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.10	0.28
Provo, UT	CO	Maintenance	100	-	0.01	0.02	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.07	0.13	0.37
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.10	0.18	0.51
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.03	0.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.09
Reno, NV	CO	Maintenance	100	-	0.01	0.03	0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.07	0.13	0.35
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.07	0.18
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.14	0.38
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.02	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.08	0.15	0.43
Sacramento Metro, CA	Ozone	Severe	25	-	0.15	0.28	0.76
Sacramento, CA	CO	Maintenance	100	-	0.09	0.17	0.47
Salem, OR	CO	Maintenance	100	-	0.01	0.01	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.08	-0.12	-0.16

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.04	-0.03	0.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.06	0.11	0.29
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.10	0.19	0.53
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.04	0.12
San Diego, CA	CO	Maintenance	100	-	0.23	0.43	1.18
San Diego, CA	Ozone	Former Subpart 1	50	-	0.23	0.43	1.18
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.35	0.66	1.82
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.39	0.75	2.06
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.22	0.42	1.22
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.22	0.42	1.23
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.22	0.42	1.22
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.04	0.07	0.19
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.16	0.31	0.85
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.05	0.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.08
Spokane, WA	CO	Maintenance	100	-	0.02	0.03	0.08
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.09	0.25
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	0.04
St. Louis, MO	CO	Maintenance	100	-	0.05	0.09	0.26
St. Louis, MO-IL	Ozone	Moderate	50	-	0.16	0.30	0.84
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.16	0.30	0.83

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.02	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Stockton, CA	CO	Maintenance	100	-	0.03	0.05	0.13
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.05	0.15
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.06	0.16
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.10	0.28
Utah County, UT	PM ₁₀	Moderate	100	-	0.03	0.05	0.14
Vancouver, WA	CO	Maintenance	100	-	0.02	0.03	0.09
Ventura County, CA	Ozone	Serious	50	-	0.04	0.08	0.23
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.09	0.16	0.44

Appendix B

Table B.1-242
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.29	0.55	1.53
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.29	0.54	1.50
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.03	0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.04	0.12
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.06
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.02	0.05	0.13
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.10
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.07	0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.05

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	0.51	0.39
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.23	0.18
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.06	0.05
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.23	0.18
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.04	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.08	0.06
Anchorage, AK	CO	Maintenance	100	-	0.04	0.06	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	1.81	2.78	2.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.81	2.78	2.12
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
Bakersfield, CA	CO	Maintenance	100	-	0.03	0.05	-0.05
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.79	1.22	0.93
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.79	1.22	0.93
Baton Rouge, LA	Ozone	Moderate	50	-	-0.10	-0.14	-0.38
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-3.69	-5.46	-7.75
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.06	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.06	0.05
Billings, MT	CO	Maintenance	100	-	0.02	0.03	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.25	0.39	0.29

Appendix B

Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.25	0.39	0.30
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.09	0.13	0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.09	0.13	0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Boston, MA	CO	Maintenance	100	-	0.22	0.33	0.25
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.32	2.03	1.54
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.27	0.20
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.44	0.34
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.11	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.11	0.08
Case County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.10	0.08
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.10	0.08
Charlotte, NC	CO	Maintenance	100	-	0.20	0.31	0.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.44	0.68	0.52
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.14	0.21	0.16
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.13	0.19	0.15
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.86	2.86	2.18
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.92	2.96	2.25
Chico, CA	CO	Maintenance	100	-	0.03	0.05	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.11	0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.51	0.78	0.60

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.49	0.76	0.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.43	0.66	0.50
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.11	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.07	0.05
Cleveland, OH	CO	Maintenance	100	-	0.22	0.34	0.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.64	0.99	0.75
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.59	0.90	0.69
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.19	0.29	0.22
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.16	0.25	0.19
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.17	0.26	0.20
Columbus, OH	Ozone	Maintenance	100	-	0.46	0.70	0.54
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.42	0.65	0.50
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.34	0.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.28	0.21
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.93	2.97	2.26
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.31	0.24
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.28	0.21
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.82	1.26	0.96
Denver-Boulder, CO	CO	Maintenance	100	-	0.78	1.20	0.91
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.98	1.52	1.15
Detroit, MI	CO	Maintenance	100	-	0.37	0.57	0.43
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.18	1.82	1.39
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.16	1.79	1.36

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**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.01
Duluth, MN	CO	Maintenance	100	-	0.02	0.03	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.08	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.13	0.20	0.15
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	0.01
Erie, PA	Ozone	Maintenance	100	-	0.06	0.09	0.07
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.09	0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.09	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.10	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.10
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	0.12	0.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.13	0.20	0.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.08	0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.14	0.11
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.06	0.05
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.18	0.14

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**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	0.01
Fresno, CA	CO	Maintenance	100	-	0.16	0.25	0.19
Grand Rapids, MI	Ozone	Maintenance	100	-	0.22	0.33	0.25
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.41	0.63	0.48
Greeley, CO	CO	Maintenance	100	-	0.03	0.05	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.05	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.02	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.41	0.63	0.48
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.31	0.24
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.22	0.34	0.26
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.05	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.23	0.35	0.27
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.21	0.32	0.25
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.26	0.40	0.31
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.02	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.07	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.11	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-3.69	-5.36	-9.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.11	0.09
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.04	0.06	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.10	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.09	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.53	0.82	0.62
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.42	0.65	0.49
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.03	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.06	0.05
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.05	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.08	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.03	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.13	0.19	0.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.44	0.68	0.52
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.06	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.02	0.01

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Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.33	0.50	0.38
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.25	0.38	0.29
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.11	0.09
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.03	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.12	0.18	0.14
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.18	0.14
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.19	0.14
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.04	0.03
Las Vegas, NV	CO	Serious	100	-	0.43	0.66	0.50
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.43	0.67	0.51
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.03	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.03	0.04	0.03
Longmont, CO	CO	Maintenance	100	-	0.03	0.04	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.01

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.69	5.71	3.94
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.69	5.71	3.94
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.69	5.71	3.94
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.69	5.71	3.94
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.69	5.71	3.94
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.19	0.29	0.22
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.43	0.33
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.42	0.32
Lowell, MA	CO	Maintenance	100	-	0.03	0.05	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.11	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.02	0.02
Macon, GA	Ozone	Maintenance	100	-	0.05	0.08	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.08	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.07	0.11	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.02	0.03	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.04	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.12	0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.05	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.10
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Medford, OR	CO	Maintenance	100	-	0.02	0.03	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.08	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.24	0.37	0.28
Memphis, TN	CO	Maintenance	100	-	0.22	0.34	0.26
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.01

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.20	0.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.46	0.71	0.54
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.50	0.79	0.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.74	1.14	0.87
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	0.02
Modesto, CA	CO	Maintenance	100	-	0.09	0.14	0.11
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.05	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.04	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.05	0.04
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.44	0.67	0.51
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.07	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.06	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.19	0.30	0.23
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.17	0.13
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.96	3.02	2.30
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.78	5.83	4.44
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.75	5.78	4.40
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.01

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.40	0.61	0.47
Ogden, UT	CO	Maintenance	100	-	0.02	0.03	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.03	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.05	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.05	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.04	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.03	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.14	0.11
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.11	1.71	1.30
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.65	2.53	1.93
Phoenix, AZ	CO	Maintenance	100	-	1.45	2.24	1.70
Phoenix, AZ	PM ₁₀	Serious	70	-	1.49	2.30	1.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.50	2.30	1.75
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.49	0.76	0.58
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.45	0.69	0.53
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.14	0.22	0.17

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Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.29	0.44	0.33
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.38	0.59	0.45
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.26	0.40	0.30
Provo, UT	CO	Maintenance	100	-	0.05	0.07	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.36	0.55	0.42
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.49	0.75	0.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.08	0.13	0.10
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.13	0.10
Reno, NV	CO	Maintenance	100	-	0.06	0.10	0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.31	0.48	0.37
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.19	0.29	0.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.10	0.08
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.34	0.52	0.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.07	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.04
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.44	0.67	0.51
Sacramento Metro, CA	Ozone	Severe	25	-	0.80	1.23	0.94
Sacramento, CA	CO	Maintenance	100	-	0.49	0.75	0.57
Salem, OR	CO	Maintenance	100	-	0.03	0.05	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.21	-0.31	-0.50

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	0.02	-0.25
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.27	0.42	0.32
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.49	0.76	0.58
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.12	0.18	0.14
San Diego, CA	CO	Maintenance	100	-	1.18	1.82	1.39
San Diego, CA	Ozone	Former Subpart 1	50	-	1.19	1.83	1.39
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.75	2.70	2.05
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.97	3.04	2.31
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.22	1.88	1.35
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.22	1.89	1.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.22	1.88	1.35
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.26	0.20
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.80	1.23	0.94
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.05	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.18	0.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.06	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.12	0.09
Spokane, WA	CO	Maintenance	100	-	0.08	0.12	0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.23	0.35	0.26
Springfield, MA	CO	Maintenance	100	-	0.04	0.06	0.04
St. Louis, MO	CO	Maintenance	100	-	0.21	0.32	0.24
St. Louis, MO-IL	Ozone	Moderate	50	-	0.72	1.12	0.85
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.72	1.11	0.84

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	0.07	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.02	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.03	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.03
Stockton, CA	CO	Maintenance	100	-	0.14	0.21	0.16
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.19	0.15
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.05	0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.13	0.21	0.16
Toms River, NJ	CO	Maintenance	100	-	0.03	0.04	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.04	0.03
Trenton, NJ	CO	Maintenance	100	-	0.02	0.04	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.27	0.42	0.32
Utah County, UT	PM ₁₀	Moderate	100	-	0.13	0.20	0.15
Vancouver, WA	CO	Maintenance	100	-	0.09	0.14	0.10
Ventura County, CA	Ozone	Serious	50	-	0.23	0.36	0.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.05	0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.02	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.08	0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.41	0.63	0.48

Appendix B

**Table B.1-243
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.46	2.24	1.71
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.42	2.19	1.67
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.10	0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.03	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.05	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.11	0.16	0.12
Worcester, MA	CO	Maintenance	100	-	0.06	0.09	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.04	0.03
Yakima, WA	CO	Maintenance	100	-	0.01	0.02	0.01
York, PA	Ozone	Maintenance	100	-	0.12	0.18	0.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.14	0.11
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.23	0.18
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.08	0.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.94	1.21	1.02
Albuquerque, NM	CO	Maintenance	100	-	0.42	0.54	0.46
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.12	0.15	0.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.43	0.56	0.47
Altoona, PA	Ozone	Maintenance	100	-	0.06	0.08	0.07
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.17	0.22	0.18
Anchorage, AK	CO	Maintenance	100	-	0.11	0.15	0.12
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Atlanta, GA	Ozone	Moderate	50	-	5.30	6.85	5.79
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.30	6.85	5.79
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.04	0.04
Bakersfield, CA	CO	Maintenance	100	-	0.19	0.25	0.11
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	0.01
Baltimore, MD	Ozone	Moderate	50	-	2.28	2.95	2.49
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.28	2.95	2.49
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.00	-0.31
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-6.90	-8.61	-11.34
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.11	0.14	0.12
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.03	0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.11	0.15	0.12
Billings, MT	CO	Maintenance	100	-	0.05	0.07	0.06
Birmingham, AL	Ozone	Maintenance	100	-	0.69	0.89	0.75

Appendix B

Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.69	0.89	0.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.26	0.33	0.28
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.26	0.33	0.28
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Boston, MA	CO	Maintenance	100	-	0.60	0.78	0.66
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.72	4.81	4.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.50	0.64	0.54
Boyd County (part), KY	SO _x	Maintenance	100	-	0.01	0.01	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.79	1.03	0.87
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.19	0.25	0.21
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.25	0.21
Case County, MI	Ozone	Maintenance	100	-	0.03	0.04	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.17	0.22	0.19
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.17	0.22	0.19
Charlotte, NC	CO	Maintenance	100	-	0.59	0.76	0.64
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.29	1.67	1.41
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.38	0.49	0.41
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.35	0.45	0.38
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	5.33	6.88	5.82
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.51	7.12	6.02
Chico, CA	CO	Maintenance	100	-	0.11	0.14	0.12
Chico, CA	Ozone	Former Subpart 1	50	-	0.23	0.30	0.25
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.43	1.85	1.56

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Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.39	1.79	1.51
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Clark County, NV	PM ₁₀	Serious	70	-	1.31	1.69	1.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.20	0.26	0.22
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	0.16	0.13
Cleveland, OH	CO	Maintenance	100	-	0.56	0.72	0.61
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.75	2.26	1.91
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.60	2.07	1.75
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.60	0.78	0.66
Colbert County, AL	SO _x	Maintenance	100	-	0.04	0.05	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.49	0.63	0.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.47	0.61	0.52
Columbus, OH	Ozone	Maintenance	100	-	1.35	1.74	1.47
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.25	1.62	1.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.56	0.72	0.61
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.48	0.62	0.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.77	7.46	6.30
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.55	0.71	0.60
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.48	0.62	0.53
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.41	3.12	2.64
Denver-Boulder, CO	CO	Maintenance	100	-	2.31	2.98	2.52
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.91	3.77	3.18
Detroit, MI	CO	Maintenance	100	-	0.87	1.12	0.95
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.31	4.28	3.61
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.25	4.20	3.55

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Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.04	0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.03	0.03
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.02
Duluth, MN	CO	Maintenance	100	-	0.05	0.07	0.06
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.14	0.18	0.15
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.37	0.48	0.40
El Paso, TX	CO	Maintenance	100	-	0.02	0.03	0.02
Erie, PA	Ozone	Maintenance	100	-	0.15	0.19	0.16
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.18	0.23	0.19
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.17	0.22	0.18
Evansville, IN	Ozone	Maintenance	100	-	0.18	0.23	0.19
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.22	0.29	0.24
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.02	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	0.27	0.23
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Flint, MI	Ozone	Maintenance	100	-	0.35	0.46	0.39
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.15	0.19	0.16
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.26	0.34	0.29
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.15	0.12
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.12	0.10
Fredericksburg, VA	Ozone	Maintenance	100	-	0.36	0.46	0.39

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.02	0.02
Fresno, CA	CO	Maintenance	100	-	0.48	0.62	0.52
Grand Rapids, MI	Ozone	Maintenance	100	-	0.63	0.81	0.69
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.03	0.03
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	0.03
Great Falls, MT	CO	Maintenance	100	-	0.01	0.01	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	1.12	1.45	1.22
Greeley, CO	CO	Maintenance	100	-	0.10	0.13	0.11
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.12	0.10
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.04	0.04
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.04	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.14	1.47	1.24
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.55	0.71	0.60
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.60	0.78	0.66
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.02	0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.11	0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.66	0.85	0.72
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.61	0.78	0.66
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.71	0.91	0.77
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.01	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	0.04
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.04	0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.12	0.15	0.13
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.20	0.25	0.22
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-5.47	-6.65	-11.17
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.20	0.25	0.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.10	0.13	0.11
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.02	0.02
Imperial County, CA	Ozone	Moderate	50	-	0.19	0.24	0.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.18	0.24	0.20
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	1.53	1.97	1.67
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.22	1.57	1.33
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.07	0.06
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.14	0.12
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.11	0.09
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.14	0.19	0.16
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.07	0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.06
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.35	0.45	0.38
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.03	0.03
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.28	1.65	1.40
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.11	0.14	0.12
Kent, WA	PM ₁₀	Maintenance	100	-	0.02	0.03	0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.07	0.06
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.02	0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.04	0.04

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Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.04	0.04
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.96	1.25	1.05
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.73	0.94	0.79
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.03	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.19	0.25	0.21
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.03	0.03
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.04	0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.09	0.08
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	0.02
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.33	0.43	0.36
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.33	0.43	0.36
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.34	0.44	0.37
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.08	0.07
Las Vegas, NV	CO	Serious	100	-	1.31	1.69	1.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.32	1.71	1.45
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.07	0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Lima, OH	Ozone	Maintenance	100	-	0.07	0.09	0.08
Longmont, CO	CO	Maintenance	100	-	0.08	0.10	0.09
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.04	0.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11.26	14.58	11.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	11.26	14.58	11.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11.26	14.58	11.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11.26	14.58	11.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11.26	14.58	11.86
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.56	0.72	0.61
Louisville, KY-IN	Ozone	Maintenance	100	-	0.77	1.00	0.84
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.73	0.95	0.80
Lowell, MA	CO	Maintenance	100	-	0.09	0.12	0.10
Lucas County, OH	SO _x	Maintenance	100	-	0.19	0.24	0.21
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.05	0.04
Macon, GA	Ozone	Maintenance	100	-	0.13	0.17	0.14
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.13	0.16	0.14
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.21	0.27	0.23
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.01	0.01
Manchester, NH	CO	Maintenance	100	-	0.05	0.06	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.09	0.07
Marion County, IN	SO _x	Maintenance	100	-	0.20	0.26	0.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.14	0.12
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.30	0.25
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.03	0.02
Medford, OR	CO	Maintenance	100	-	0.07	0.09	0.07
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.16	0.21	0.18
Memphis, TN-AR	Ozone	Maintenance	100	-	0.65	0.83	0.70
Memphis, TN	CO	Maintenance	100	-	0.60	0.77	0.65
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.03	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.35	0.45	0.38
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.30	1.68	1.42
Minneapolis-St Paul, MN	CO	Maintenance	100	-	1.70	2.22	1.60
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.13	2.75	2.32
Missoula, MT	CO	Maintenance	100	-	0.05	0.06	0.05
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.06	0.05
Modesto, CA	CO	Maintenance	100	-	0.28	0.36	0.30
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.10	0.12	0.10
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.03	0.04	0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.02	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.09	0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.01	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.12	0.10
Nashua, NH	CO	Maintenance	100	-	0.04	0.05	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	1.27	1.64	1.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.15	0.19	0.16
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.12	0.15	0.13
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.53	0.68	0.58
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.28	0.37	0.31
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.40	6.98	5.90
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10.58	13.67	11.55
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10.48	13.54	11.45
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.04	0.03

Appendix B

Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.10	1.43	1.21
Ogden, UT	CO	Maintenance	100	-	0.05	0.06	0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.06	0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.09	0.12	0.10
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.10	0.12	0.10
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.12	0.11
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.02	0.02
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.08	0.07
Perth Amboy, NJ	CO	Maintenance	100	-	0.07	0.09	0.08
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.24	0.31	0.26
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	3.07	3.97	3.35
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	4.56	5.90	4.98
Phoenix, AZ	CO	Maintenance	100	-	4.68	6.04	5.11
Phoenix, AZ	PM ₁₀	Serious	70	-	4.80	6.20	5.24
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.81	6.21	5.25
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.03	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.33	1.72	1.46
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.22	1.57	1.33
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.02
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.40	0.52	0.44

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Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.80	1.03	0.86
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.04	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	1.14	1.48	1.25
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.74	0.95	0.80
Provo, UT	CO	Maintenance	100	-	0.14	0.18	0.15
Raleigh-Durham, NC	CO	Maintenance	100	-	1.06	1.37	1.16
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.44	1.86	1.57
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.23	0.30	0.25
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.30	0.25
Reno, NV	CO	Maintenance	100	-	0.18	0.23	0.19
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.87	1.12	0.95
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.06	0.05
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.60	0.78	0.66
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.18	0.23	0.19
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.08	0.07
Rochester, NY	Ozone	Former Subpart 1	50	-	0.94	1.21	1.03
Rocky Mount, NC	Ozone	Maintenance	100	-	0.12	0.16	0.13
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.11	0.09
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.35	1.74	1.47
Sacramento Metro, CA	Ozone	Severe	25	-	2.50	3.24	2.73
Sacramento, CA	CO	Maintenance	100	-	1.52	1.96	1.66
Salem, OR	CO	Maintenance	100	-	0.09	0.12	0.10
Salt Lake City, UT	CO	Maintenance	100	-	-0.35	-0.43	-0.65

Appendix B

Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.26	0.36	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.78	1.00	0.85
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.44	1.86	1.57
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.34	0.44	0.37
San Diego, CA	CO	Maintenance	100	-	3.61	4.67	3.94
San Diego, CA	Ozone	Former Subpart 1	50	-	3.62	4.68	3.95
San Francisco Bay Area, CA	Ozone	Marginal	50	-	5.19	6.70	5.67
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	5.82	7.52	6.36
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.87	5.00	4.13
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.88	5.01	4.14
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.87	5.00	4.13
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.04	0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.47	0.61	0.51
Seattle-Tacoma, WA	CO	Maintenance	100	-	2.33	3.02	2.55
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.12	0.10
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	0.02
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.02	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.32	0.41	0.35
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.08	0.11	0.09
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.23	0.30	0.25
Spokane, WA	CO	Maintenance	100	-	0.23	0.29	0.25
Springfield (western MA), MA	Ozone	Moderate	50	-	0.63	0.81	0.69
Springfield, MA	CO	Maintenance	100	-	0.11	0.14	0.12
St. Louis, MO	CO	Maintenance	100	-	0.52	0.67	0.57
St. Louis, MO-IL	Ozone	Moderate	50	-	1.95	2.53	2.13
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.94	2.51	2.12

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Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.13	0.17	0.15
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.02	0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.03	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.07	0.06
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.07	0.06
Stockton, CA	CO	Maintenance	100	-	0.43	0.55	0.47
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.34	0.44	0.37
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.08	0.10	0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.04	0.05	0.04
Toledo, OH	Ozone	Maintenance	100	-	0.36	0.47	0.39
Toms River, NJ	CO	Maintenance	100	-	0.09	0.11	0.09
Tooele County, UT	SO _x	Nonattainment	100	-	0.08	0.10	0.08
Trenton, NJ	CO	Maintenance	100	-	0.07	0.08	0.07
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.80	1.03	0.87
Utah County, UT	PM ₁₀	Moderate	100	-	0.39	0.50	0.43
Vancouver, WA	CO	Maintenance	100	-	0.27	0.34	0.29
Ventura County, CA	Ozone	Serious	50	-	0.73	0.94	0.79
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.08	0.10	0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.05	0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.03	0.03
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.19	0.16
Washington, DC-MD-VA	CO	Maintenance	100	-	1.19	1.54	1.30

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Table B.1-244
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acetaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.27	5.52	4.67
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.17	5.39	4.56
Washoe County, NV	PM ₁₀	Serious	70	-	0.18	0.23	0.19
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.05	0.05
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.09	0.11	0.10
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.09	0.11	0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.11	0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.30	0.39	0.33
Worcester, MA	CO	Maintenance	100	-	0.18	0.23	0.19
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.09	0.08
Yakima, WA	CO	Maintenance	100	-	0.03	0.04	0.04
York, PA	Ozone	Maintenance	100	-	0.34	0.44	0.37
York, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.34	0.29
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.39	0.50	0.43
Yuma, AZ	PM ₁₀	Moderate	100	-	0.16	0.20	0.17

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.00	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.02	0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.12
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.01	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.00	-0.01	0.00
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.07	-0.10	-0.16
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.00	0.00	0.02

Appendix B

**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.02	0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.00	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.00	0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.02	0.02	0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.13
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04

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**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.00	0.00	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.01	0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.00	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.01	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.02	0.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.00	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.05
Denver-Boulder, CO	CO	Maintenance	100	-	0.01	0.01	0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.01	0.01	0.06
Detroit, MI	CO	Maintenance	100	-	0.00	0.00	0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.01	0.01	0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08

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**Table B.1-245
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.01	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.00	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.08	-0.12	-0.13
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.01	0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.01	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.00	0.00	0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.04	0.03	0.26
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.04	0.03	0.26
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.04	0.03	0.26
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.04	0.03	0.26
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	0.26
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.00	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	0.00	0.02
Memphis, TN	CO	Maintenance	100	-	0.00	0.00	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.01	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.00	0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.01	0.05
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.00	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.02	0.02	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.05	0.05	0.27
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.05	0.05	0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.02	0.12
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.01	0.08
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.01	0.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.01	0.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.00	0.01

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.00	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.00	0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.00	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.01	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.00	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.01	0.05
Sacramento, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	-0.01	-0.01

Appendix B

**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.00	-0.00	0.01
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.01	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
San Diego, CA	CO	Maintenance	100	-	0.01	0.01	0.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.02	0.02	0.11
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.02	0.13
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.01	0.01	0.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.01	0.05
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.00	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.00	0.00	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.01	0.01	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.05

Appendix B

**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.00	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.00	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.00	0.00	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.00	0.03

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**Table B.1-245
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.02	0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Albuquerque, NM	CO	Maintenance	100	-	-	0.01	0.04
Allegan County, MI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	-	0.01	0.04
Altoona, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Anchorage, AK	CO	Maintenance	100	-	-	0.00	0.01
Anthony, NM	PM ₁₀	Moderate	100	-	-	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	-	0.06	0.41
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	-	0.06	0.41
Atlantic City, NJ	CO	Maintenance	100	-	-	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	-0.00	-0.00	0.02
Baltimore, MD	CO	Maintenance	100	-	-	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	-	0.03	0.18
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	-	0.03	0.18
Baton Rouge, LA	Ozone	Moderate	50	-	-0.01	-0.01	0.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.15	-0.23	-0.33
Benton County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Benzie County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-	0.00	0.01
Billings, MT	CO	Maintenance	100	-	-	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	-0.00	0.01	0.06

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Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.06
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-	0.00	0.02
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.02
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Boston, MA	CO	Maintenance	100	-	-	0.01	0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	-	0.05	0.31
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	-	0.01	0.04
Boyd County (part), KY	SO _x	Maintenance	100	-	-	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.07
Burlington, NJ	CO	Maintenance	100	-	-	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	-	0.00	0.02
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Case County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	-	0.00	0.02
Charleston, WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Charlotte, NC	CO	Maintenance	100	-	-	0.01	0.04
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	-	0.01	0.10
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-	0.00	0.03
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-	0.06	0.43
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-	0.07	0.44
Chico, CA	CO	Maintenance	100	-	-	0.00	0.01
Chico, CA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	-	0.02	0.12

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**Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.02	0.12
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	-	0.01	0.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-	0.00	0.02
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Cleveland, OH	CO	Maintenance	100	-	-	0.01	0.06
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	-	0.02	0.16
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	-	0.02	0.14
Coachella Valley, CA	PM ₁₀	Serious	70	-	-	0.01	0.04
Colbert County, AL	SO _x	Maintenance	100	-	-	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	-	0.01	0.04
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.04
Columbus, OH	Ozone	Maintenance	100	-	-	0.02	0.10
Columbus, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.09
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	-	0.01	0.06
Cuyahoga County, OH	SO _x	Maintenance	100	-	-	0.01	0.05
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	-	0.06	0.42
Dayton-Springfield, OH	Ozone	Maintenance	100	-	-	0.01	0.05
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	-	0.01	0.04
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-	0.03	0.18
Denver-Boulder, CO	CO	Maintenance	100	-	-	0.03	0.17
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-	0.03	0.22
Detroit, MI	CO	Maintenance	100	-	-	0.01	0.10
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-	0.04	0.28
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-	0.04	0.27

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**Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	-	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	-	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.01
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-	0.00	0.03
El Paso, TX	CO	Maintenance	100	-	-	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-	0.00	0.01
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-	0.00	0.01
Evansville, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Fairbanks, AK	CO	Maintenance	100	-	-	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Follansbee, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	-	0.00	0.01
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-	0.00	0.02
Franklin County, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Fredericksburg, VA	Ozone	Maintenance	100	-	-	0.00	0.03

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**Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	-	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	-	0.01	0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	-	0.01	0.05
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	-	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	-	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	-	0.01	0.10
Greeley, CO	CO	Maintenance	100	-	-	0.00	0.01
Green Bay, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Greene County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	-	0.01	0.10
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	-	0.01	0.05
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-	0.01	0.05
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	-	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	-	0.00	0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	-	0.01	0.05
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	-	0.01	0.05
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	-	0.01	0.06
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	-	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	-	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	-	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Hollis Township, IL	SO _x	Maintenance	100	-	-	0.00	0.00

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**Table B.1-246
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Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.21	-0.26	-0.15
Humphreys County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-	0.00	0.01
Huron County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	-	0.00	0.01
Imperial Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.01
Indian Wells, CA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	-	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	-	0.02	0.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.10
Jackson County, IN	Ozone	Maintenance	100	-	-	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Jefferson County, NY	Ozone	Moderate	50	-	-	0.00	0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Johnstown, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Juneau, AK	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-	0.00	0.03
Kalispell, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	-	0.02	0.10
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	-	0.00	0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	-0.00	0.00	0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	-	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	-	0.00	0.00

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**Table B.1-246
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Acrolein 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.07
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.06
La Porte County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Lake County, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	-	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	-	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	-	0.00	0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	-	0.00	0.03
LaPorte, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Las Vegas, NV	CO	Serious	100	-	-	0.01	0.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	-	0.01	0.09
Lauderdale County, AL	SO _x	Maintenance	100	-	-	0.00	0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	-	0.00	0.01
Longmont, CO	CO	Maintenance	100	-	-	0.00	0.01
Lorain County, OH	SO _x	Maintenance	100	-	-	0.00	0.00

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**Table B.1-246
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-0.02	0.11	0.88
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-0.02	0.11	0.88
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-0.02	0.11	0.88
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-0.02	0.11	0.88
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-0.02	0.11	0.88
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	-0.00	0.01	0.04
Louisville, KY-IN	Ozone	Maintenance	100	-	-	0.01	0.07
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	-	0.01	0.07
Lowell, MA	CO	Maintenance	100	-	-	0.00	0.01
Lucas County, OH	SO _x	Maintenance	100	-	-	0.00	0.02
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	-	0.00	0.01
Macon, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	-	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	-	0.00	0.01
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	-	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Marion County, IN	SO _x	Maintenance	100	-	-	0.00	0.02
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Mason County, MI	Ozone	Maintenance	100	-	-	0.00	0.00
Medford, OR	CO	Maintenance	100	-	-	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Memphis, TN-AR	Ozone	Maintenance	100	-	-	0.01	0.06
Memphis, TN	CO	Maintenance	100	-	-	0.01	0.06
Miami (Gila County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	-	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	-	0.00	0.03
Milwaukee-Racine, WI	Ozone	Moderate	50	-	-	0.02	0.11
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.01	0.01	0.15
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-	0.03	0.17
Missoula, MT	CO	Maintenance	100	-	-	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	-	0.00	0.02
Mohave County, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	-	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	-	0.00	0.01
Nashua, NH	CO	Maintenance	100	-	-	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	-	0.01	0.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	-	0.00	0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	-	0.01	0.05
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	-	0.00	0.03
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-	0.07	0.47
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-	0.13	0.90
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-	0.13	0.89
Nogales, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-	0.01	0.10
Ogden, UT	CO	Maintenance	100	-	-	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Owens Valley, CA	PM ₁₀	Serious	70	-	-	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Payson, AZ	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	-	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-	0.00	0.01
Perth Amboy, NJ	CO	Maintenance	100	-	-	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	-	0.00	0.02
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-	0.04	0.27
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-	0.06	0.39
Phoenix, AZ	CO	Maintenance	100	-	-	0.04	0.29
Phoenix, AZ	PM ₁₀	Serious	70	-	-	0.04	0.29
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	-	0.04	0.29
Pierce County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-	0.02	0.12
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-	0.02	0.11
Polk County, TN	SO _x	Maintenance	100	-	-	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	-	0.01	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.00	0.01	0.07
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	-	0.01	0.08
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	-	0.01	0.06
Provo, UT	CO	Maintenance	100	-	-	0.00	0.01
Raleigh-Durham, NC	CO	Maintenance	100	-	-	0.01	0.08
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	-	0.02	0.11
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	-	0.00	0.02
Reading, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Reno, NV	CO	Maintenance	100	-	-	0.00	0.01
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-	0.01	0.07
Rillito, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	-	0.01	0.04
Roanoke, VA	Ozone	Former Subpart 1	50	-	-	0.00	0.02
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	-	0.01	0.08
Rocky Mount, NC	Ozone	Maintenance	100	-	-	0.00	0.01
Rome, GA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Ronan, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	-	0.01	0.09
Sacramento Metro, CA	Ozone	Severe	25	-	-	0.02	0.16
Sacramento, CA	CO	Maintenance	100	-	-	0.02	0.10
Salem, OR	CO	Maintenance	100	-	-	0.00	0.01
Salt Lake City, UT	CO	Maintenance	100	-	-0.01	-0.01	-0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.01	-0.01	0.04
Salt Lake County, UT	SO _x	Nonattainment	100	-	-	0.01	0.06
San Antonio, TX	Ozone	Former Subpart 1	50	-	-	0.02	0.11
San Bernardino County, CA	PM ₁₀	Moderate	100	-	-0.00	0.00	0.03
San Diego, CA	CO	Maintenance	100	-	-	0.04	0.25
San Diego, CA	Ozone	Former Subpart 1	50	-	-	0.04	0.25
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-	0.06	0.39
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-	0.07	0.44
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.00	0.04	0.27
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.00	0.04	0.27
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.00	0.04	0.27
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	-	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	-	0.01	0.04
Seattle-Tacoma, WA	CO	Maintenance	100	-	-	0.03	0.18
Sheboygan, WI	Ozone	Moderate	50	-	-	0.00	0.01
Sheridan, WY	PM ₁₀	Moderate	100	-	-	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	-	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	-	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	-	0.00	0.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.02
Spokane, WA	CO	Maintenance	100	-	-0.00	0.00	0.02
Springfield (western MA), MA	Ozone	Moderate	50	-	-	0.01	0.05
Springfield, MA	CO	Maintenance	100	-	-	0.00	0.01
St. Louis, MO	CO	Maintenance	100	-	-	0.01	0.06
St. Louis, MO-IL	Ozone	Moderate	50	-	-	0.03	0.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-	0.03	0.18

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	-	0.00	0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-	0.00	0.01
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Stockton, CA	CO	Maintenance	100	-	-	0.00	0.03
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	-	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	-	0.00	0.03
Telluride, CO	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-	0.00	0.01
Tioga County, PA	Ozone	Maintenance	100	-	-	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	-	0.00	0.03
Toms River, NJ	CO	Maintenance	100	-	-	0.00	0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-	0.00	0.01
Trenton, NJ	CO	Maintenance	100	-	-	0.00	0.01
Trona, CA	PM ₁₀	Moderate	100	-	-	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	-	0.01	0.06
Utah County, UT	PM ₁₀	Moderate	100	-	-	0.00	0.03
Vancouver, WA	CO	Maintenance	100	-	-	0.00	0.02
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.01	0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	-	0.00	0.01
Wallula, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	-	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	-	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	-	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-	0.00	0.01
Washington, DC-MD-VA	CO	Maintenance	100	-	-	0.01	0.09

Appendix B

Table B.1-246
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	-	0.05	0.33
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	-	0.05	0.32
Washoe County, NV	PM ₁₀	Serious	70	-	-	0.00	0.01
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	-	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	-	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	-	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-	0.00	0.01
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-	0.00	0.01
Winston-Salem, NC	CO	Maintenance	100	-	-	0.00	0.02
Worcester, MA	CO	Maintenance	100	-	-	0.00	0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-	0.00	0.01
Yakima, WA	CO	Maintenance	100	-	-	0.00	0.00
York, PA	Ozone	Maintenance	100	-	-	0.00	0.03
York, PA	PM _{2.5}	Nonattainment	100	-	-	0.00	0.02
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	-	0.01	0.04
Yuma, AZ	PM ₁₀	Moderate	100	-	-	0.00	0.01

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.02	0.05	0.37
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	0.17
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	0.17
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.04
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.08	0.25	2.04
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.25	2.04
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Bakersfield, CA	CO	Maintenance	100	-	-0.01	0.00	0.11
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.04	0.11	0.89
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.89
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.02	0.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.44	-0.64	-0.81
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.04
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.03	0.28

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.28
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.01	0.10
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.01	0.03	0.24
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.06	0.18	1.48
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	0.19
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.04	0.32
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.01	0.08
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Charlotte, NC	CO	Maintenance	100	-	0.01	0.03	0.23
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.06	0.50
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.09	0.26	2.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.09	0.26	2.16
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.07	0.57

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.55
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.02	0.06	0.48
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.01	0.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Cleveland, OH	CO	Maintenance	100	-	0.01	0.03	0.25
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.03	0.09	0.72
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.66
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.03	0.21
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	0.18
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.19
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.06	0.51
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.48
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.03	0.25
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.20
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.09	0.27	2.17
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.03	0.23
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.20
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.04	0.11	0.92
Denver-Boulder, CO	CO	Maintenance	100	-	0.04	0.11	0.88
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.05	0.14	1.11
Detroit, MI	CO	Maintenance	100	-	0.02	0.05	0.42
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.05	0.16	1.33
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.05	0.16	1.31

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	0.07
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	0.15
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.01	0.11
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.02	0.13

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	0.18
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.03	0.24
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.06	0.46
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.04
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.02	0.06	0.46
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.23
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.03	0.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.03
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.03	0.26
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.24
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.04	0.29
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.54	-0.69	0.42
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.04
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	0.07
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.07
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.07	0.60
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.47
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.04
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	0.14
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.06	0.50
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.04
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.01

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.37
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.28
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.02	0.13
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.02	0.14
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Las Vegas, NV	CO	Serious	100	-	0.02	0.06	0.48
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.02	0.06	0.49
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01

Appendix B

**Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.49	4.53
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	0.49	4.53
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.49	4.53
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.49	4.53
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.49	4.53
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.03	0.21
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.04	0.32
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.30
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.08
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.01	0.08
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.09
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.02
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.03	0.27
Memphis, TN	CO	Maintenance	100	-	0.01	0.03	0.25
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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**Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	0.15
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.06	0.52
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.00	0.06	0.79
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.10	0.83
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.00	0.01	0.10
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.04
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.02	0.06	0.49
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.03	0.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.09	0.27	2.21
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.17	0.52	4.26
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.17	0.52	4.22
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.02	0.05	0.45
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.02
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.01	0.10
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.05	0.15	1.25
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.08	0.23	1.85
Phoenix, AZ	CO	Maintenance	100	-	0.07	0.20	1.64
Phoenix, AZ	PM ₁₀	Serious	70	-	0.07	0.21	1.68
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.07	0.21	1.68
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.07	0.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.51
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	0.16

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.04	0.33
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Poughkeepsie, NY	Ozone	Moderate	50	-	0.02	0.05	0.43
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.04	0.29
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.02	0.05	0.40
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.07	0.55
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Reno, NV	CO	Maintenance	100	-	0.00	0.01	0.07
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.04	0.35
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.03	0.21
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.07
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Rochester, NY	Ozone	Former Subpart 1	50	-	0.02	0.05	0.38
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.05
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.02	0.06	0.49
Sacramento Metro, CA	Ozone	Severe	25	-	0.04	0.11	0.90
Sacramento, CA	CO	Maintenance	100	-	0.02	0.07	0.55
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.04
Salt Lake City, UT	CO	Maintenance	100	-	-0.03	-0.04	-0.00

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.02	-0.01	0.24
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.04	0.30
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.07	0.56
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.13
San Diego, CA	CO	Maintenance	100	-	0.05	0.16	1.33
San Diego, CA	Ozone	Former Subpart 1	50	-	0.05	0.16	1.33
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.08	0.24	1.97
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.09	0.27	2.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.05	0.17	1.45
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.05	0.17	1.46
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.05	0.17	1.45
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	0.19
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.11	0.90
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.04
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.02	0.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Spokane, WA	CO	Maintenance	100	-	0.00	0.01	0.09
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.03	0.25
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.04
St. Louis, MO	CO	Maintenance	100	-	0.01	0.03	0.23
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.10	0.82
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.81

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.05
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Stockton, CA	CO	Maintenance	100	-	0.01	0.02	0.15
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	0.14
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	0.15
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.04	0.30
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.02	0.15
Vancouver, WA	CO	Maintenance	100	-	0.00	0.01	0.10
Ventura County, CA	Ozone	Serious	50	-	0.01	0.03	0.27
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Washington, DC-MD-VA	CO	Maintenance	100	-	0.02	0.06	0.46

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Table B.1-247
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.07	0.20	1.64
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.07	0.20	1.60
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.01	0.07
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.04
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.04
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.01	0.12
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.02	0.13
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.10
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	0.17
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-248
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.04	0.09	0.57
Albuquerque, NM	CO	Maintenance	100	-	0.02	0.04	0.26
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.01	0.07
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.04	0.26
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Anchorage, AK	CO	Maintenance	100	-	0.01	0.01	0.07
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.23	0.49	3.22
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.23	0.49	3.22
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.00	0.01	0.18
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.10	0.21	1.39
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.10	0.21	1.39
Baton Rouge, LA	Ozone	Moderate	50	-	-0.04	-0.03	0.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.83	-1.02	-1.20
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.07
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.06	0.42

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Table B.1-248
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.16
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.16
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.03	0.06	0.36
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.16	0.34	2.26
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.05	0.30
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.07	0.48
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.12
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.10
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.10
Charlotte, NC	CO	Maintenance	100	-	0.03	0.05	0.36
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.06	0.12	0.78
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.23
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.02	0.03	0.21
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.23	0.49	3.24
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.24	0.51	3.35
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.06	0.13	0.87

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.13	0.84
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.06	0.12	0.80
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.12
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.01	0.08
Cleveland, OH	CO	Maintenance	100	-	0.02	0.05	0.34
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.08	0.16	1.06
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.15	0.97
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.06	0.36
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.04	0.30
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.04	0.29
Columbus, OH	Ozone	Maintenance	100	-	0.06	0.12	0.82
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.12	0.76
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.05	0.34
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.04	0.29
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.25	0.53	3.51
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.05	0.33
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.04	0.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.11	0.22	1.47
Denver-Boulder, CO	CO	Maintenance	100	-	0.10	0.21	1.40
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.13	0.27	1.77
Detroit, MI	CO	Maintenance	100	-	0.04	0.08	0.53
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.15	0.30	2.01
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.14	0.30	1.97

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.03	0.22
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.01	0.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.11
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.10
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.11
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.13
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.02	0.03	0.21
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.01	0.09
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.02	0.16
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.01	0.07
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.03	0.22

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.02	0.04	0.29
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	0.06	0.38
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.05	0.10	0.68
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.06
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.05	0.10	0.69
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.05	0.34
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.03	0.06	0.37
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.06	0.40
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.06	0.37
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.06	0.43
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.96	-1.04	0.76
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.01	0.06
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.11
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.11
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.07	0.14	0.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.74
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.02	0.03	0.21
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.06	0.12	0.78
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.07
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.04	0.09	0.59
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.44
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.12
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.20
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.20
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.03	0.21
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Las Vegas, NV	CO	Serious	100	-	0.06	0.12	0.80
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.06	0.12	0.81
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.03
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.44	0.99	7.18
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.44	0.99	7.18
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.44	0.99	7.18
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.44	0.99	7.18
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.44	0.99	7.18
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.05	0.34
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.07	0.47
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.07	0.45
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.05
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.11
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.01	0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.13
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.12
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.10
Memphis, TN-AR	Ozone	Maintenance	100	-	0.03	0.06	0.39
Memphis, TN	CO	Maintenance	100	-	0.03	0.06	0.36
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.02	0.03	0.21
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.06	0.12	0.79
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.04	0.13	1.24
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.09	0.20	1.29
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	0.01	0.03	0.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	0.06	0.12	0.77
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	0.07
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.05	0.32
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.03	0.17
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.24	0.50	3.28
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.47	0.97	6.43
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.46	0.96	6.37
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Table B.1-248
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.10	0.67
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.02	0.14
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.14	0.28	1.87
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.20	0.42	2.78
Phoenix, AZ	CO	Maintenance	100	-	0.21	0.43	2.84
Phoenix, AZ	PM ₁₀	Serious	70	-	0.21	0.44	2.92
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.21	0.44	2.92
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.06	0.12	0.81
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.11	0.74
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.04	0.25

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Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.03	0.07	0.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.05	0.11	0.70
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.03	0.07	0.45
Provo, UT	CO	Maintenance	100	-	0.01	0.01	0.08
Raleigh-Durham, NC	CO	Maintenance	100	-	0.05	0.10	0.64
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.06	0.13	0.87
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.14
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.11
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.08	0.53
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.06	0.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.11
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.09	0.57
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.01	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.12	0.82
Sacramento Metro, CA	Ozone	Severe	25	-	0.11	0.23	1.52
Sacramento, CA	CO	Maintenance	100	-	0.07	0.14	0.92
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.05	-0.06	0.00

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-0.03	-0.00	0.37
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.07	0.47
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.06	0.13	0.87
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.21
San Diego, CA	CO	Maintenance	100	-	0.16	0.33	2.20
San Diego, CA	Ozone	Former Subpart 1	50	-	0.16	0.33	2.20
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.23	0.48	3.16
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.26	0.54	3.54
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.16	0.35	2.42
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.16	0.35	2.43
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.35	2.42
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.04	0.29
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.10	0.21	1.42
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.03	0.19
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.14
Springfield (western MA), MA	Ozone	Moderate	50	-	0.03	0.06	0.38
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.07
St. Louis, MO	CO	Maintenance	100	-	0.02	0.05	0.32
St. Louis, MO-IL	Ozone	Moderate	50	-	0.09	0.18	1.19
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.09	0.18	1.18

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Table B.1-248
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Acrolein 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	0.08
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.03
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.03
Stockton, CA	CO	Maintenance	100	-	0.02	0.04	0.26
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.03	0.21
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.02	0.03	0.22
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.05
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.04	0.07	0.49
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.04	0.24
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.16
Ventura County, CA	Ozone	Serious	50	-	0.03	0.07	0.45
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.01	0.09
Washington, DC-MD-VA	CO	Maintenance	100	-	0.05	0.11	0.72

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Table B.1-248
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.19	0.39	2.60
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.18	0.38	2.54
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.11
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.03	0.18
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.11
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.21
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.16
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.04	0.24
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	0.09

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.09	-0.14	-0.43
Albuquerque, NM	CO	Maintenance	100	-	0.01	-0.00	-0.08
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.03
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.05
Altoona, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.01
Anchorage, AK	CO	Maintenance	100	-	-0.04	-0.05	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.06	-0.75
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.06	-0.75
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	-0.01	-0.07
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.00
Baltimore, MD	Ozone	Moderate	50	-	0.12	0.11	-0.19
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.12	0.11	-0.19
Baton Rouge, LA	Ozone	Moderate	50	-	-0.03	-0.05	-0.19
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.01	-0.02	-0.09
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Billings, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.01	-0.12

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.12
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.02	-0.03	-0.09
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.09
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.04	0.04	-0.05
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.23	0.21	-0.28
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.03	-0.03
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.02	-0.11
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.05
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.05
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.00	-0.03
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.03
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	-0.06
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.02	0.00	-0.21
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.15
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.02	-0.04	-0.14
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.26	0.21	-0.54
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.26	0.20	-0.58
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-0.01
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.00	-0.02
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.02	-0.22

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.02	-0.21
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.05	0.04	-0.12
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.02	-0.03	-0.09
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.05
Cleveland, OH	CO	Maintenance	100	-	0.01	-0.00	-0.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.03	-0.28
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.26
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.03	-0.03
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Colorado Springs, CO	CO	Maintenance	100	-	-0.01	-0.02	-0.11
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.03	-0.05	-0.17
Columbus, OH	Ozone	Maintenance	100	-	0.02	-0.01	-0.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.02	-0.00	-0.21
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	-0.00	-0.11
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.19	0.12	-0.68
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.11
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.10
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.12	0.11	-0.18
Denver-Boulder, CO	CO	Maintenance	100	-	0.12	0.11	-0.17
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.12	0.09	-0.30
Detroit, MI	CO	Maintenance	100	-	0.02	-0.01	-0.23
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.06	-0.02	-0.64
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.06	-0.01	-0.62

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.01	-0.02
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	-0.01	-0.07
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.02	-0.03	-0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.09
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.07
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.01	-0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.06
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	-0.00	-0.00	-0.03
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.11
Franklin County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.04
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.01	-0.02	-0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.06

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Fresno, CA	CO	Maintenance	100	-	0.02	0.02	-0.04
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.12
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.06	0.04	-0.14
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.01	-0.03
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.02
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Greene County, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.01	-0.19
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.08
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.05	-0.08	-0.27
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.03	0.02	-0.08
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.08
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.04	0.04	-0.08
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.02
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.04
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.09	-0.23	-1.15
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.01	-0.02
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	-0.02	-0.29
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.02	-0.01	-0.22
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.02
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-0.01
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.02	-0.03	-0.08
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.02
Juneau, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.06	-0.12	-0.44
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.01
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.01	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.09	-0.31
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.04	-0.07	-0.25
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.03
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.04
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Las Vegas, NV	CO	Serious	100	-	0.05	0.04	-0.12
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.05	0.04	-0.12
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.00
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.01	-0.03
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.55	0.44	-1.16
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.55	0.44	-1.16
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.55	0.44	-1.16
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.55	0.44	-1.16
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.55	0.44	-1.16
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.03	0.02	-0.05
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.01	-0.13
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.13
Lowell, MA	CO	Maintenance	100	-	0.01	0.00	-0.01
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Macon, GA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.06
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.06
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.06
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.08
Mason County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-0.01
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.02
Memphis, TN-AR	Ozone	Maintenance	100	-	0.00	-0.02	-0.16
Memphis, TN	CO	Maintenance	100	-	0.02	0.01	-0.11
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.02	-0.19
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.03	-0.10	-0.55
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.03	-0.09	-0.54
Missoula, MT	CO	Maintenance	100	-	-0.01	-0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.01	0.00	-0.04
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.03	0.02	-0.07
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	-0.75	-1.04	-1.97
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.22	-1.84	-4.41
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-0.98	-1.65	-4.98
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-0.96	-1.63	-4.92
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.05	0.03	-0.15
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.01
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.00	-0.01	-0.03
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.04
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.01	-0.03
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.07	0.01	-0.57
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.15	0.07	-0.72
Phoenix, AZ	CO	Maintenance	100	-	0.17	0.15	-0.30
Phoenix, AZ	PM ₁₀	Serious	70	-	0.18	0.15	-0.31
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.18	0.15	-0.31
Pierce County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	-0.01	-0.29
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.00	-0.24
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.02	0.02	-0.04

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Table B.1-249
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.00	-0.15
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.02	-0.14
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	-0.00	-0.13
Provo, UT	CO	Maintenance	100	-	0.00	-0.00	-0.02
Raleigh-Durham, NC	CO	Maintenance	100	-	0.04	0.03	-0.11
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	0.04	-0.16
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.04
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-0.02
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.04	0.02	-0.12
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.03	-0.03
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.04
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Rochester, NY	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.13
Rocky Mount, NC	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.03
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.06	0.05	-0.10
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	0.06	-0.22
Sacramento, CA	CO	Maintenance	100	-	0.06	0.05	-0.11
Salem, OR	CO	Maintenance	100	-	0.00	-0.00	-0.02
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.00	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.03	0.01	-0.11
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.03	0.01	-0.11
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.04	-0.09	-0.41
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.03
San Diego, CA	CO	Maintenance	100	-	0.18	0.16	-0.23
San Diego, CA	Ozone	Former Subpart 1	50	-	0.18	0.16	-0.23
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.23	0.18	-0.48
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.27	0.22	-0.53
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.10	0.05	-0.47
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.10	0.05	-0.48
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.10	0.05	-0.47
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	-0.00	-0.09
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.04	-0.12	-0.61
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.02
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	-0.00	-0.07
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.01
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.02	-0.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.04	0.04	-0.05
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
St. Louis, MO	CO	Maintenance	100	-	-0.00	-0.02	-0.17
St. Louis, MO-IL	Ozone	Moderate	50	-	0.04	-0.00	-0.40
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.04	-0.01	-0.40

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.01
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.01	-0.01	-0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.02	-0.10
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.01	-0.01	-0.04
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.00	-0.07
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.01	-0.03
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.03	0.02	-0.09
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.06
Vancouver, WA	CO	Maintenance	100	-	0.00	-0.00	-0.04
Ventura County, CA	Ozone	Serious	50	-	0.03	0.03	-0.05
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.04
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.01	-0.05
Washington, DC-MD-VA	CO	Maintenance	100	-	0.07	0.06	-0.10

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.21	0.18	-0.36
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.21	0.19	-0.34
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-0.02
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.02
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.05
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.05
Winston-Salem, NC	CO	Maintenance	100	-	0.00	-0.00	-0.06
Worcester, MA	CO	Maintenance	100	-	0.01	0.01	-0.01
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.00	-0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.06
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.04
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.00	-0.08
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.16	-0.34	-1.58
Albuquerque, NM	CO	Maintenance	100	-	0.02	-0.01	-0.47
Allegan County, MI	Ozone	Former Subpart 1	50	-	-0.00	-0.01	-0.14
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.05	0.03	-0.40
Altoona, PA	Ozone	Maintenance	100	-	0.00	-0.01	-0.09
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.10
Anchorage, AK	CO	Maintenance	100	-	-0.07	-0.12	-0.32
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	0.39	0.12	-4.90
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.39	0.12	-4.91
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.00	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.01	-0.01	-0.36
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.29	0.24	-1.85
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.29	0.24	-1.85
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.12	-0.76
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.02	-0.05	-0.40
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	-0.01	-0.03	-0.19
Benzie County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Billings, MT	CO	Maintenance	100	-	-0.01	-0.02	-0.09
Birmingham, AL	Ozone	Maintenance	100	-	0.06	0.02	-0.74

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.06	0.02	-0.75
Boise-Northern Ada County, ID	CO	Maintenance	100	-	-0.03	-0.07	-0.37
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	-0.03	-0.07	-0.37
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.02
Boston, MA	CO	Maintenance	100	-	0.09	0.08	-0.52
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.53	0.46	-3.07
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.06	-0.39
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	-0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.08	0.04	-0.81
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Butte, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	-0.01	-0.25
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	-0.01	-0.25
Case County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.04
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Charleston, WV	Ozone	Maintenance	100	-	0.02	0.01	-0.20
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.20
Charlotte, NC	CO	Maintenance	100	-	0.06	0.04	-0.49
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.07	-0.00	-1.27
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	-0.04	-0.10	-0.60
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	-0.04	-0.09	-0.55
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.61	0.45	-4.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.62	0.44	-4.79
Chico, CA	CO	Maintenance	100	-	0.01	0.00	-0.08
Chico, CA	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.18
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.11	0.04	-1.44

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.12	0.04	-1.38
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.12	0.09	-0.99
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.07	-0.33
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.01	-0.04	-0.20
Cleveland, OH	CO	Maintenance	100	-	0.04	-0.01	-0.74
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.15	0.06	-1.87
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.14	0.05	-1.72
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.07	0.06	-0.38
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
Colorado Springs, CO	CO	Maintenance	100	-	-0.00	-0.05	-0.54
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	-0.04	-0.12	-0.70
Columbus, OH	Ozone	Maintenance	100	-	0.06	-0.03	-1.34
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.06	-0.01	-1.22
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.04	-0.01	-0.74
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.03	-0.01	-0.60
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.48	0.25	-4.88
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	-0.00	-0.65
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.03	-0.00	-0.57
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.30	0.25	-1.84
Denver-Boulder, CO	CO	Maintenance	100	-	0.28	0.23	-1.76
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.29	0.20	-2.40
Detroit, MI	CO	Maintenance	100	-	0.05	-0.03	-1.28
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.17	-0.06	-3.65
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.18	-0.05	-3.56

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	-0.01	-0.01	-0.09
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.14
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	-0.01	-0.39
El Paso, TX	CO	Maintenance	100	-	0.00	-0.00	-0.03
Erie, PA	Ozone	Maintenance	100	-	0.01	0.00	-0.17
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.04	-0.08	-0.31
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.04	-0.07	-0.30
Evansville, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Evansville, IN	PM _{2.5}	Nonattainment	100	-	-0.01	-0.03	-0.30
Fairbanks, AK	CO	Maintenance	100	-	-0.01	-0.02	-0.05
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	0.01	-0.39
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	-0.01	-0.15
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.03	-0.08	-0.42
Franklin County, PA	Ozone	Maintenance	100	-	-0.01	-0.02	-0.16
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.02	-0.05	-0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	-0.01	-0.33

Appendix B

Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.05	0.04	-0.38
Grand Rapids, MI	Ozone	Maintenance	100	-	0.03	-0.02	-0.65
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.03
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.04
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.00	-0.02
Greater Connecticut, CT	Ozone	Moderate	50	-	0.14	0.09	-1.09
Greeley, CO	CO	Maintenance	100	-	-0.00	-0.02	-0.12
Green Bay, WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.10
Greene County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.05
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.01	-0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.09	0.02	-1.21
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.55
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.08	-0.19	-1.03
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	-0.00	-0.09
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.06	0.04	-0.59
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.03	-0.55
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.10	0.07	-0.68
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.00	-0.13
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.23
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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**Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.10	-0.55	-5.29
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.03	-0.07	-0.36
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	-0.04	-0.20
Huron County, MI	Ozone	Maintenance	100	-	-0.00	-0.00	-0.03
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.01	-0.15
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.01	-0.14
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.03
Indianapolis, IN	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.06	-0.05	-1.61
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.06	-0.03	-1.26
Jackson County, IN	Ozone	Maintenance	100	-	-0.00	-0.01	-0.08
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	-0.00	-0.12
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.03	-0.06	-0.28
Johnstown, PA	Ozone	Maintenance	100	-	-0.00	-0.01	-0.09
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	-0.00	-0.01	-0.11
Juneau, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.04
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	-0.03	-0.44
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	-0.11	-0.28	-1.78
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	-0.00	-0.07
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.02	-0.07

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Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	-0.07	-0.20	-1.27
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	-0.07	-0.17	-1.01
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.01	-0.04
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.03
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.20
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.04	0.03	-0.29
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.03	-0.29
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.04	0.02	-0.32
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.02	-0.11
Las Vegas, NV	CO	Serious	100	-	0.12	0.09	-0.99
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.13	0.09	-1.01
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.00	-0.06
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.03	-0.13
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.03

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**Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.33	0.97	-9.94
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.33	0.97	-9.94
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.33	0.97	-9.94
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.33	0.97	-9.94
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.32	0.97	-9.94
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.06	0.05	-0.44
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.02	-0.83
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.01	-0.81
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.00	-0.23
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.04
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.05	-0.24
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	-0.00	-0.19
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Marion County, IN	SO _x	Maintenance	100	-	-0.00	-0.03	-0.28
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	-0.02	-0.05	-0.33
Mason County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Medford, OR	CO	Maintenance	100	-	0.01	0.00	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.13
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	-0.05	-0.84
Memphis, TN	CO	Maintenance	100	-	0.05	0.01	-0.68
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	-0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.01	-0.39
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.11	0.04	-1.28
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.02	-0.23	-2.62
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	-0.02	-0.23	-2.55
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.03	-0.10
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.10
Modesto, CA	CO	Maintenance	100	-	0.02	0.00	-0.23
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.07
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.03
Muncie, IN	Ozone	Maintenance	100	-	-0.02	-0.05	-0.17
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	-0.00	-0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Muskegon, MI	Ozone	Maintenance	100	-	-0.00	-0.02	-0.13
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.09	0.03	-1.21
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.06	0.04	-0.52
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
New York County, NY	PM ₁₀	Moderate	100	-	-1.53	-2.39	-4.63
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-2.40	-4.27	-13.63
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.82	-3.87	-18.29
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.79	-3.81	-18.09
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03

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**Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.11	0.06	-1.09
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-0.05
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.05
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.02
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	-0.01	-0.09
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	-0.01	-0.02	-0.15
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.03	-0.25
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.20	-0.01	-3.41
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.38	0.13	-4.74
Phoenix, AZ	CO	Maintenance	100	-	0.45	0.36	-2.95
Phoenix, AZ	PM ₁₀	Serious	70	-	0.46	0.37	-3.05
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.46	0.37	-3.06
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	-0.00	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.07	-0.04	-1.60
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.08	-0.01	-1.42
Polk County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Polson, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.05	0.04	-0.36

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Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.05	0.00	-0.88
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.09	0.04	-0.97
Presque Isle, ME	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.04	-0.01	-0.76
Provo, UT	CO	Maintenance	100	-	0.01	-0.00	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.11	0.07	-0.87
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.13	0.08	-1.21
Ramsey County, MN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.25
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.25
Reno, NV	CO	Maintenance	100	-	0.02	0.02	-0.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.09	0.05	-0.84
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.07	0.06	-0.38
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	-0.01	-0.22
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	-0.01	-0.07
Rochester, NY	Ozone	Former Subpart 1	50	-	0.09	0.05	-0.93
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	-0.01	-0.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	-0.01	-0.02	-0.13
Ronan, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.14	0.11	-0.95
Sacramento Metro, CA	Ozone	Severe	25	-	0.22	0.15	-1.78
Sacramento, CA	CO	Maintenance	100	-	0.15	0.12	-1.06
Salem, OR	CO	Maintenance	100	-	0.01	-0.00	-0.10
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.01	-0.15

Appendix B

Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.07	0.03	-0.73
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.07	0.03	-0.73
San Antonio, TX	Ozone	Former Subpart 1	50	-	-0.05	-0.21	-1.80
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.04	0.03	-0.27
San Diego, CA	CO	Maintenance	100	-	0.43	0.37	-2.52
San Diego, CA	Ozone	Former Subpart 1	50	-	0.43	0.37	-2.53
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.56	0.41	-4.16
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.65	0.49	-4.67
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.29	0.12	-3.26
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.29	0.12	-3.27
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.29	0.12	-3.26
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	-0.00	-0.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	-0.05	-0.28	-2.79
Sheboygan, WI	Ozone	Moderate	50	-	0.00	-0.00	-0.09
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.01	-0.04
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	-0.01	-0.37
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.12
Spokane County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.29
Spokane, WA	CO	Maintenance	100	-	-0.01	-0.04	-0.29
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.08	-0.54
Springfield, MA	CO	Maintenance	100	-	0.01	0.01	-0.09
St. Louis, MO	CO	Maintenance	100	-	0.00	-0.06	-0.81
St. Louis, MO-IL	Ozone	Moderate	50	-	0.11	-0.03	-2.32
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.11	-0.03	-2.30

Appendix B

Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.11
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.01	-0.02	-0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.03	-0.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.03	-0.13
Stockton, CA	CO	Maintenance	100	-	0.03	0.02	-0.32
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	-0.01	-0.05	-0.47
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.03	-0.16
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-0.04
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.00	-0.41
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	-0.01	-0.02	-0.12
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.07	0.04	-0.68
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	-0.00	-0.37
Vancouver, WA	CO	Maintenance	100	-	0.01	-0.00	-0.25
Ventura County, CA	Ozone	Serious	50	-	0.08	0.07	-0.52
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.03	-0.16
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	-0.01	-0.03	-0.22
Washington, DC-MD-VA	CO	Maintenance	100	-	0.15	0.13	-0.97

Appendix B

Table B.1-250
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.51	0.41	-3.39
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.51	0.41	-3.30
Washoe County, NV	PM ₁₀	Serious	70	-	0.02	0.02	-0.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Wayne County, IN	SO _x	Maintenance	100	-	-0.01	-0.01	-0.08
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.04	-0.18
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.04	-0.18
Winston-Salem, NC	CO	Maintenance	100	-	0.01	-0.01	-0.32
Worcester, MA	CO	Maintenance	100	-	0.02	0.02	-0.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.11
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.01	-0.04
York, PA	Ozone	Maintenance	100	-	0.02	-0.00	-0.34
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.01	-0.25
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.00	-0.48
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.00	-0.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	-0.16	-0.77	-10.44
Albuquerque, NM	CO	Maintenance	100	-	0.20	0.06	-4.07
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.03	-0.01	-1.13
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.27	0.17	-3.94
Altoona, PA	Ozone	Maintenance	100	-	0.02	-0.00	-0.68
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.11	0.09	-1.30
Anchorage, AK	CO	Maintenance	100	-	-0.16	-0.30	-1.58
Anthony, NM	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.06
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Atlanta, GA	Ozone	Moderate	50	-	2.90	1.51	-47.58
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.90	1.51	-47.60
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.02	-0.32
Bakersfield, CA	CO	Maintenance	100	-	0.16	0.06	-3.26
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.07
Baltimore, MD	Ozone	Moderate	50	-	1.61	1.18	-19.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	1.61	1.18	-19.96
Baton Rouge, LA	Ozone	Moderate	50	-	0.04	-0.24	-5.49
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.03	-0.10	-2.88
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	-0.06	-1.26
Benzie County, MI	Ozone	Maintenance	100	-	0.00	-0.00	-0.19
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	-0.04	-1.14
Billings, MT	CO	Maintenance	100	-	-0.01	-0.04	-0.58
Birmingham, AL	Ozone	Maintenance	100	-	0.39	0.18	-6.66

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.39	0.18	-6.69
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	-0.13	-2.64
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	-0.13	-2.64
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.15
Boston, MA	CO	Maintenance	100	-	0.45	0.33	-5.41
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	2.77	2.09	-33.02
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.36	0.28	-4.31
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.03	-0.11
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.49	0.28	-7.54
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.20
Canon City, CO	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.17
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	-0.00	-2.00
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	-0.00	-2.00
Case County, MI	Ozone	Maintenance	100	-	0.01	-0.01	-0.31
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
Charleston, WV	Ozone	Maintenance	100	-	0.10	0.05	-1.72
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.10	0.05	-1.72
Charlotte, NC	CO	Maintenance	100	-	0.37	0.24	-5.14
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.64	0.27	-11.80
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	-0.21	-4.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	-0.19	-3.80
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	3.54	2.41	-47.44
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	3.62	2.42	-49.16
Chico, CA	CO	Maintenance	100	-	0.06	0.04	-0.87
Chico, CA	Ozone	Former Subpart 1	50	-	0.13	0.08	-1.90
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.80	0.40	-13.40

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.79	0.41	-12.95
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.09
Clark County, NV	PM ₁₀	Serious	70	-	0.81	0.55	-10.97
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	-0.04	-0.16	-2.20
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	-0.00	-0.08	-1.37
Cleveland, OH	CO	Maintenance	100	-	0.27	0.06	-5.93
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.00	0.50	-16.90
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.92	0.46	-15.52
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.41	0.32	-4.74
Colbert County, AL	SO _x	Maintenance	100	-	-0.00	-0.03	-0.43
Colorado Springs, CO	CO	Maintenance	100	-	0.15	-0.03	-4.57
Columbia Falls, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.05
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	-0.23	-5.02
Columbus, OH	Ozone	Maintenance	100	-	0.62	0.21	-12.30
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.60	0.24	-11.37
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.27	0.06	-5.93
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.22	0.05	-4.93
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	3.37	2.03	-50.13
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.28	0.09	-5.49
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.25	0.09	-4.83
Denver Metro, CO	PM ₁₀	Maintenance	100	-	1.68	1.25	-20.53
Denver-Boulder, CO	CO	Maintenance	100	-	1.60	1.18	-19.65
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.83	1.21	-25.26
Detroit, MI	CO	Maintenance	100	-	0.45	0.10	-10.08
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.57	0.49	-31.92
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.56	0.52	-31.26

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.02	0.01	-0.25
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.23
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.18
Duluth, MN	CO	Maintenance	100	-	-0.00	-0.03	-0.60
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.09	0.06	-1.30
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.17	0.05	-3.48
El Paso, TX	CO	Maintenance	100	-	0.01	0.00	-0.22
Erie, PA	Ozone	Maintenance	100	-	0.08	0.04	-1.49
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	-0.06	-0.19	-1.99
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	-0.06	-0.18	-1.91
Evansville, IN	Ozone	Maintenance	100	-	0.07	0.00	-1.77
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.06	-0.04	-2.33
Fairbanks, AK	CO	Maintenance	100	-	-0.03	-0.06	-0.23
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.13	0.08	-1.96
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.01	-0.06
Flint, MI	Ozone	Maintenance	100	-	0.19	0.08	-3.44
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.00	-1.36
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	-0.01	-0.16	-2.87
Franklin County, PA	Ozone	Maintenance	100	-	0.01	-0.04	-1.18
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	-0.04	-0.11	-1.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.16	0.06	-3.15

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.13
Fresno, CA	CO	Maintenance	100	-	0.32	0.22	-4.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.28	0.09	-5.86
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.24
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Grants Pass, OR	CO	Maintenance	100	-	-0.00	-0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.29
Great Falls, MT	CO	Maintenance	100	-	-0.00	-0.01	-0.14
Greater Connecticut, CT	Ozone	Moderate	50	-	0.75	0.48	-10.54
Greeley, CO	CO	Maintenance	100	-	0.02	-0.02	-0.96
Green Bay, WI	SO _x	Maintenance	100	-	0.04	0.01	-0.87
Greene County, IN	Ozone	Maintenance	100	-	0.00	-0.01	-0.37
Greene County, PA	Ozone	Maintenance	100	-	-0.01	-0.03	-0.36
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.62	0.28	-10.89
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.34	0.20	-5.22
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	-0.06	-0.43	-6.86
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.00	-0.15
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.04	0.02	-0.80
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.40	0.25	-5.88
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.36	0.22	-5.44
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.51	0.35	-6.67
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.29
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.00	-0.28
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.06	0.02	-1.16
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.10	0.03	-1.95
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01

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**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	1.14	-0.64	-42.42
Humphreys County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.04	-0.17	-2.31
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.03	-0.10	-1.23
Huron County, MI	Ozone	Maintenance	100	-	0.00	-0.01	-0.21
Imperial County, CA	Ozone	Moderate	50	-	0.12	0.08	-1.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.11	0.08	-1.56
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.22
Indianapolis, IN	CO	Maintenance	100	-	0.00	-0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.68	0.20	-14.36
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.56	0.19	-11.35
Jackson County, IN	Ozone	Maintenance	100	-	0.01	-0.02	-0.58
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.05	0.01	-1.05
Jefferson County, NY	Ozone	Moderate	50	-	0.06	0.04	-0.80
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	-0.05	-0.16	-1.74
Johnstown, PA	Ozone	Maintenance	100	-	0.01	-0.01	-0.64
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	-0.03	-0.72
Juneau, AK	PM ₁₀	Moderate	100	-	-0.02	-0.04	-0.16
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	-0.02	-3.54
Kalispell, MT	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.26
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.11	-0.53	-13.13
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.09	0.07	-0.95
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.20
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.03	0.01	-0.56
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.00	-0.16
King County, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.08
Klamath Falls, OR	CO	Maintenance	100	-	-0.02	-0.05	-0.42

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.02	-0.05	-0.42
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.11	-0.35	-9.60
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.04	-0.33	-7.42
La Porte County, IN	SO _x	Maintenance	100	-	-0.00	-0.02	-0.26
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.14
Lake County, IN	SO _x	Maintenance	100	-	0.13	0.08	-1.89
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.23
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.02	0.02	-0.23
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.04	0.03	-0.51
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.13
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.23	0.16	-2.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.16	-2.98
Lane County, OR	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.22	0.13	-3.15
LaPorte, IN	Ozone	Maintenance	100	-	-0.01	-0.05	-0.72
Las Vegas, NV	CO	Serious	100	-	0.81	0.55	-10.97
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.82	0.56	-11.10
Lauderdale County, AL	SO _x	Maintenance	100	-	0.04	0.02	-0.55
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	-0.00	-0.00	-0.01
Libby, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	-0.00	-0.00	-0.04
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.09
Lima, OH	Ozone	Maintenance	100	-	-0.01	-0.06	-0.84
Longmont, CO	CO	Maintenance	100	-	0.06	0.05	-0.64
Lorain County, OH	SO _x	Maintenance	100	-	0.02	0.01	-0.31

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**Table B.1-251
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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	7.90	5.40	-105.09
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	7.90	5.40	-105.09
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	7.90	5.40	-105.09
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	7.90	5.40	-105.09
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	7.90	5.40	-105.08
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.37	0.26	-4.79
Louisville, KY-IN	Ozone	Maintenance	100	-	0.43	0.20	-7.47
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.40	0.17	-7.19
Lowell, MA	CO	Maintenance	100	-	0.06	0.05	-0.76
Lucas County, OH	SO _x	Maintenance	100	-	0.10	0.04	-1.92
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.39
Macon, GA	Ozone	Maintenance	100	-	-0.02	-0.11	-1.55
Macon, GA	PM _{2.5}	Nonattainment	100	-	-0.02	-0.11	-1.53
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	-0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.10	0.04	-1.83
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.08
Manchester, NH	CO	Maintenance	100	-	0.04	0.03	-0.45
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.04	0.03	-0.64
Marion County, IN	SO _x	Maintenance	100	-	0.06	-0.03	-2.15
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.05	-0.85
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	-0.09	-2.41
Mason County, MI	Ozone	Maintenance	100	-	0.01	-0.00	-0.19
Medford, OR	CO	Maintenance	100	-	0.04	0.02	-0.57
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.10	0.06	-1.38
Memphis, TN-AR	Ozone	Maintenance	100	-	0.25	-0.01	-6.72
Memphis, TN	CO	Maintenance	100	-	0.33	0.15	-5.94
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.22

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**Table B.1-251
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Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.19	0.08	-3.44
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.74	0.39	-12.09
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.67	-0.20	-21.40
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.65	-0.19	-20.79
Missoula, MT	CO	Maintenance	100	-	-0.03	-0.08	-0.58
Missoula, MT	PM ₁₀	Moderate	100	-	-0.03	-0.08	-0.56
Modesto, CA	CO	Maintenance	100	-	0.15	0.08	-2.36
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.05	0.03	-0.79
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Morristown, NJ	CO	Maintenance	100	-	0.02	0.01	-0.23
Muhlenberg County, KY	SO _x	Maintenance	100	-	-0.00	-0.01	-0.21
Muncie, IN	Ozone	Maintenance	100	-	-0.05	-0.12	-0.94
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	-0.00	-0.04
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	-0.01	-0.12
Muskegon, MI	Ozone	Maintenance	100	-	0.02	-0.02	-0.96
Nashua, NH	CO	Maintenance	100	-	0.03	0.03	-0.37
Nashville, TN	Ozone	Former Subpart 1	50	-	0.69	0.35	-11.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.09	0.07	-1.12
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.07	0.04	-0.99
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.35	0.23	-5.00
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.05
New York County, NY	PM ₁₀	Moderate	100	-	-4.37	-6.75	-14.25
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.31	-11.09	-72.78
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-1.92	-8.87	-119.63
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-1.87	-8.74	-118.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.02	0.01	-0.28

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.68	0.40	-10.36
Ogden, UT	CO	Maintenance	100	-	0.03	0.02	-0.46
Ogden, UT	PM ₁₀	Moderate	100	-	0.03	0.02	-0.46
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.14
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.00	-0.82
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	-0.04	-1.05
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.04	-1.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.14
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.05	0.03	-0.61
Perth Amboy, NJ	CO	Maintenance	100	-	0.05	0.03	-0.57
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.18	0.12	-2.33
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	1.55	0.58	-29.88
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	2.58	1.29	-43.45
Phoenix, AZ	CO	Maintenance	100	-	2.98	2.19	-36.58
Phoenix, AZ	PM ₁₀	Serious	70	-	3.05	2.24	-37.60
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	3.06	2.25	-37.71
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.00	-0.18
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.61	0.14	-13.40
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.60	0.20	-12.13
Polk County, TN	SO _x	Maintenance	100	-	0.00	-0.01	-0.16
Polson, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.02
Portland, ME	Ozone	Maintenance	100	-	0.28	0.20	-3.66

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Table B.1-251							
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Benzene 2040							
Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.42	0.17	-7.84
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.02	-0.04	-0.37
Poughkeepsie, NY	Ozone	Moderate	50	-	0.65	0.38	-9.91
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.36	0.14	-6.90
Provo, UT	CO	Maintenance	100	-	0.07	0.03	-1.21
Raleigh-Durham, NC	CO	Maintenance	100	-	0.67	0.44	-9.17
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.88	0.55	-12.53
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.01
Reading, PA	Ozone	Maintenance	100	-	0.13	0.06	-2.23
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.06	-2.23
Reno, NV	CO	Maintenance	100	-	0.12	0.09	-1.59
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.54	0.32	-8.10
Rillito, AZ	PM ₁₀	Moderate	100	-	0.03	0.02	-0.36
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.41	0.32	-4.74
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	-0.00	-1.79
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	-0.00	-0.59
Rochester, NY	Ozone	Former Subpart 1	50	-	0.58	0.33	-8.82
Rocky Mount, NC	Ozone	Maintenance	100	-	0.04	-0.01	-1.28
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	-0.04	-0.90
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	-0.00	-0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.88	0.63	-11.01
Sacramento Metro, CA	Ozone	Severe	25	-	1.53	1.04	-20.39
Sacramento, CA	CO	Maintenance	100	-	0.99	0.71	-12.37
Salem, OR	CO	Maintenance	100	-	0.04	0.02	-0.88
Salt Lake City, UT	CO	Maintenance	100	-	0.09	0.05	-1.47

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.45	0.25	-7.07
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.45	0.25	-7.07
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.32	-0.30	-14.21
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.24	0.18	-2.94
San Diego, CA	CO	Maintenance	100	-	2.49	1.88	-29.65
San Diego, CA	Ozone	Former Subpart 1	50	-	2.49	1.88	-29.71
San Francisco Bay Area, CA	Ozone	Marginal	50	-	3.37	2.32	-44.64
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	3.85	2.68	-50.22
San Joaquin Valley, CA	Ozone	Extreme	10	-	2.23	1.29	-34.17
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	2.24	1.30	-34.28
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	2.23	1.29	-34.17
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.02	0.01	-0.24
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.23	0.08	-4.55
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.65	-0.29	-22.68
Sheboygan, WI	Ozone	Moderate	50	-	0.04	0.01	-0.84
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.02	-0.03	-0.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.11
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.14	0.03	-3.13
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.07	0.04	-0.97
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.05	-0.05	-2.28
Spokane, WA	CO	Maintenance	100	-	0.05	-0.05	-2.25
Springfield (western MA), MA	Ozone	Moderate	50	-	0.47	0.35	-5.67
Springfield, MA	CO	Maintenance	100	-	0.08	0.06	-0.95
St. Louis, MO	CO	Maintenance	100	-	0.15	-0.10	-5.92
St. Louis, MO-IL	Ozone	Moderate	50	-	0.95	0.28	-19.60
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.94	0.27	-19.48

Appendix B

Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.09	0.07	-1.16
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.16
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.34
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.03	-0.08	-0.75
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.03	-0.08	-0.75
Stockton, CA	CO	Maintenance	100	-	0.24	0.15	-3.50
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.09	-0.07	-3.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Terre Haute, IN	Ozone	Maintenance	100	-	-0.02	-0.08	-0.98
Tioga County, PA	Ozone	Maintenance	100	-	0.02	0.01	-0.35
Toledo, OH	Ozone	Maintenance	100	-	0.19	0.08	-3.58
Toms River, NJ	CO	Maintenance	100	-	0.06	0.04	-0.70
Tooele County, UT	SO _x	Nonattainment	100	-	-0.00	-0.05	-0.82
Trenton, NJ	CO	Maintenance	100	-	0.05	0.03	-0.58
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Tucson, AZ	CO	Maintenance	100	-	0.49	0.30	-6.99
Utah County, UT	PM ₁₀	Moderate	100	-	0.19	0.08	-3.53
Vancouver, WA	CO	Maintenance	100	-	0.13	0.05	-2.35
Ventura County, CA	Ozone	Serious	50	-	0.50	0.37	-6.06
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.06
Vigo County, IN	SO _x	Maintenance	100	-	-0.02	-0.08	-0.98
Wallula, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.03	0.02	-0.36
Warren County, NJ	SO _x	Maintenance	100	-	0.02	0.01	-0.23
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.00	-0.09
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	-0.06	-1.58
Washington, DC-MD-VA	CO	Maintenance	100	-	0.83	0.60	-10.27

Appendix B

**Table B.1-251
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	2.92	2.09	-36.86
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	2.88	2.09	-35.98
Washoe County, NV	PM ₁₀	Serious	70	-	0.12	0.09	-1.59
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Wayne County, IN	SO _x	Maintenance	100	-	-0.00	-0.03	-0.51
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	-0.00	-0.60
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Weirton, WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.09
Wheeling, WV-OH	Ozone	Maintenance	100	-	-0.02	-0.09	-1.10
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	-0.02	-0.09	-1.10
Winston-Salem, NC	CO	Maintenance	100	-	0.14	0.04	-2.86
Worcester, MA	CO	Maintenance	100	-	0.13	0.10	-1.49
Yakima County, WA	PM ₁₀	Maintenance	100	-	-0.00	-0.04	-0.74
Yakima, WA	CO	Maintenance	100	-	-0.00	-0.02	-0.33
York, PA	Ozone	Maintenance	100	-	0.17	0.07	-3.14
York, PA	PM _{2.5}	Nonattainment	100	-	0.14	0.07	-2.40
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.21	0.08	-4.03
Yuma, AZ	PM ₁₀	Moderate	100	-	0.09	0.05	-1.35

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action.

Source: EPA 2008.

Appendix B

Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.44	-0.20	-14.35
Albuquerque, NM	CO	Maintenance	100	-	0.71	0.56	-5.48
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.17	0.11	-1.61
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.86	0.74	-5.34
Altoona, PA	Ozone	Maintenance	100	-	0.08	0.05	-0.88
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.38	0.34	-2.03
Anchorage, AK	CO	Maintenance	100	-	-0.18	-0.32	-2.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.04
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.08
Atlanta, GA	Ozone	Moderate	50	-	10.08	8.45	-66.78
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	10.08	8.45	-66.80
Atlantic City, NJ	CO	Maintenance	100	-	0.07	0.07	-0.42
Bakersfield, CA	CO	Maintenance	100	-	0.64	0.52	-4.57
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	-0.09
Baltimore, MD	Ozone	Moderate	50	-	4.89	4.34	-27.73
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	4.89	4.34	-27.73
Baton Rouge, LA	Ozone	Moderate	50	-	0.52	0.24	-7.44
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	0.25	0.10	-3.82
Benton County, TN	SO _x	Maintenance	100	-	-0.00	-0.00	-0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.08	0.02	-1.60
Benzie County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.28
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.13	0.08	-1.58
Billings, MT	CO	Maintenance	100	-	0.03	-0.00	-0.79
Birmingham, AL	Ozone	Maintenance	100	-	1.22	0.99	-8.81

Appendix B

Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	1.23	0.99	-8.84
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.25	0.11	-3.66
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.25	0.11	-3.66
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.22
Boston, MA	CO	Maintenance	100	-	1.30	1.15	-7.27
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	8.11	7.24	-44.95
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	1.09	0.97	-5.99
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.03	-0.04	-0.15
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	1.50	1.25	-10.03
Burlington, NJ	CO	Maintenance	100	-	0.01	0.01	-0.04
Butte, MT	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.26
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.00	-0.25
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.27	0.19	-2.61
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.27	0.19	-2.61
Case County, MI	Ozone	Maintenance	100	-	0.04	0.02	-0.41
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	-0.00	-0.00	-0.06
Charleston, WV	Ozone	Maintenance	100	-	0.30	0.25	-2.17
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.30	0.25	-2.17
Charlotte, NC	CO	Maintenance	100	-	1.22	1.06	-7.26
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	2.35	1.92	-16.47
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.31	0.08	-5.51
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.29	0.09	-5.09
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	10.96	9.53	-65.60
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	11.25	9.76	-67.96
Chico, CA	CO	Maintenance	100	-	0.22	0.19	-1.36
Chico, CA	Ozone	Former Subpart 1	50	-	0.46	0.39	-2.84
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	2.65	2.18	-18.21

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Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	2.58	2.14	-17.58
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.10
Clark County, NV	PM ₁₀	Serious	70	-	2.74	2.40	-16.06
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.11	-0.02	-3.08
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.08	0.00	-1.85
Cleveland, OH	CO	Maintenance	100	-	0.85	0.62	-7.43
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	3.16	2.58	-22.37
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	2.89	2.35	-20.47
Coachella Valley, CA	PM ₁₀	Serious	70	-	1.35	1.22	-7.17
Colbert County, AL	SO _x	Maintenance	100	-	0.02	-0.01	-0.54
Colorado Springs, CO	CO	Maintenance	100	-	0.73	0.52	-6.53
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.44	0.17	-6.87
Columbus, OH	Ozone	Maintenance	100	-	2.34	1.87	-17.39
Columbus, OH	PM _{2.5}	Nonattainment	100	-	2.23	1.80	-16.10
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.85	0.62	-7.43
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.67	0.46	-6.52
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	11.49	9.84	-71.80
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.90	0.70	-7.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.80	0.62	-6.29
Denver Metro, CO	PM ₁₀	Maintenance	100	-	5.24	4.67	-29.20
Denver-Boulder, CO	CO	Maintenance	100	-	5.00	4.45	-27.93
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	5.99	5.21	-35.89
Detroit, MI	CO	Maintenance	100	-	1.12	0.71	-11.98
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	5.48	4.24	-43.27
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	5.42	4.22	-42.37

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Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.06	0.05	-0.35
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.05	0.04	-0.30
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.04	0.03	-0.24
Duluth, MN	CO	Maintenance	100	-	0.03	-0.00	-0.78
Eagle River, AK	PM ₁₀	Moderate	100	-	-0.01	-0.02	-0.14
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.27	0.23	-1.69
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.63	0.50	-4.77
El Paso, TX	CO	Maintenance	100	-	0.04	0.03	-0.28
Erie, PA	Ozone	Maintenance	100	-	0.26	0.21	-1.95
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.04	-0.09	-2.77
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.04	-0.09	-2.66
Evansville, IN	Ozone	Maintenance	100	-	0.27	0.19	-2.36
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.28	0.18	-3.09
Fairbanks, AK	CO	Maintenance	100	-	-0.04	-0.06	-0.31
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.41	0.35	-2.65
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.09
Flint, MI	Ozone	Maintenance	100	-	0.62	0.49	-4.56
Follansbee, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.00	-0.01
Fort Collins, CO	CO	Maintenance	100	-	0.24	0.18	-1.95
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.20	0.03	-3.90
Franklin County, PA	Ozone	Maintenance	100	-	0.13	0.07	-1.61
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	-0.06	-1.51
Fredericksburg, VA	Ozone	Maintenance	100	-	0.64	0.52	-4.57

Appendix B

Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.04	0.03	-0.20
Fresno, CA	CO	Maintenance	100	-	1.01	0.89	-5.82
Grand Rapids, MI	Ozone	Maintenance	100	-	1.07	0.84	-8.19
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.05	0.04	-0.30
Grant County, NM	SO _x	Maintenance	100	-	-0.00	-0.00	-0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	-0.00	-0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	-0.00	-0.43
Great Falls, MT	CO	Maintenance	100	-	0.00	-0.00	-0.17
Greater Connecticut, CT	Ozone	Moderate	50	-	2.23	1.92	-13.94
Greeley, CO	CO	Maintenance	100	-	0.13	0.08	-1.34
Green Bay, WI	SO _x	Maintenance	100	-	0.15	0.12	-1.17
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.02	-0.50
Greene County, PA	Ozone	Maintenance	100	-	0.01	-0.02	-0.48
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	2.05	1.67	-14.54
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	1.07	0.90	-6.92
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.41	0.03	-8.98
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.03	0.02	-0.20
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.14	0.11	-1.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	1.30	1.12	-8.18
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	1.19	1.01	-7.56
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	1.46	1.27	-8.69
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.02	0.01	-0.10
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.07	0.06	-0.42
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.04	0.03	-0.39
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.16	-1.49
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.33	0.26	-2.57
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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Table B.1-252
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Benzene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	5.98	4.06	-58.63
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	-0.00	-0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.07	-0.07	-3.04
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	-0.07	-1.57
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.00	-0.27
Imperial County, CA	Ozone	Moderate	50	-	0.39	0.34	-2.32
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.38	0.34	-2.27
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.04	0.03	-0.28
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.01
Indianapolis, IN	Ozone	Maintenance	100	-	2.56	2.00	-19.91
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	2.08	1.64	-15.78
Jackson County, IN	Ozone	Maintenance	100	-	0.06	0.03	-0.78
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.17	0.13	-1.40
Jefferson County, NY	Ozone	Moderate	50	-	0.17	0.15	-1.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	-0.09	-2.31
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.02	-0.76
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.01	-0.86
Juneau, AK	PM ₁₀	Moderate	100	-	-0.04	-0.06	-0.23
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.48	0.32	-4.72
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	-0.00	-0.37
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.31	0.62	-18.25
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.25	0.23	-1.32
Kent, WA	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.29
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.10	0.08	-0.74
Kewaunee County, WI	Ozone	Maintenance	100	-	0.03	0.02	-0.22
King County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.11
Klamath Falls, OR	CO	Maintenance	100	-	-0.01	-0.04	-0.56

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.04	-0.56
Knoxville, TN	Ozone	Former Subpart 1	50	-	1.11	0.62	-13.54
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.76	0.37	-10.36
La Porte County, IN	SO _x	Maintenance	100	-	0.01	-0.01	-0.33
LaGrande, OR	PM ₁₀	Maintenance	100	-	-0.01	-0.02	-0.19
Lake County, IN	SO _x	Maintenance	100	-	0.39	0.33	-2.42
Lake County, OH	SO _x	Maintenance	100	-	0.05	0.04	-0.30
Lake County, OR	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.07
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.07	0.06	-0.37
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.16	0.14	-0.83
Lake Tahoe, NV	CO	Maintenance	100	-	0.03	0.03	-0.17
Lamar, CO	PM ₁₀	Maintenance	100	-	-0.02	-0.03	-0.14
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.70	0.61	-4.07
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.70	0.61	-4.07
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.66	0.56	-4.25
LaPorte, IN	Ozone	Maintenance	100	-	0.03	-0.02	-0.93
Las Vegas, NV	CO	Serious	100	-	2.74	2.40	-16.06
Las Vegas, NV	Ozone	Former Subpart 1	50	-	2.77	2.42	-16.23
Lauderdale County, AL	SO _x	Maintenance	100	-	0.11	0.09	-0.71
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	-0.00	-0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	-0.00	-0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.10
Lima, OH	Ozone	Maintenance	100	-	0.03	-0.02	-1.12
Longmont, CO	CO	Maintenance	100	-	0.18	0.16	-0.94
Lorain County, OH	SO _x	Maintenance	100	-	0.06	0.05	-0.42

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	24.96	21.78	-148.17
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	24.96	21.78	-148.17
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	24.96	21.78	-148.17
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	24.96	21.78	-148.17
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	24.96	21.78	-148.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	1.16	1.02	-6.81
Louisville, KY-IN	Ozone	Maintenance	100	-	1.39	1.12	-9.90
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	1.29	1.04	-9.45
Lowell, MA	CO	Maintenance	100	-	0.19	0.17	-1.08
Lucas County, OH	SO _x	Maintenance	100	-	0.31	0.23	-2.48
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.08	0.07	-0.49
Macon, GA	Ozone	Maintenance	100	-	0.06	-0.04	-1.99
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	-0.04	-1.97
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Madison, WI	SO _x	Maintenance	100	-	0.37	0.31	-2.65
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.02	0.02	-0.14
Manchester, NH	CO	Maintenance	100	-	0.10	0.09	-0.55
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.13	0.11	-0.84
Marion County, IN	SO _x	Maintenance	100	-	0.25	0.16	-2.79
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.22	0.20	-1.29
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.25	0.13	-3.25
Mason County, MI	Ozone	Maintenance	100	-	0.03	0.02	-0.26
Medford, OR	CO	Maintenance	100	-	0.14	0.12	-0.84
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.33	0.28	-2.03
Memphis, TN-AR	Ozone	Maintenance	100	-	0.92	0.63	-8.73
Memphis, TN	CO	Maintenance	100	-	1.04	0.83	-7.74
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.05	0.04	-0.31

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.01	0.00	-0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.59	0.47	-4.53
Milwaukee-Racine, WI	Ozone	Moderate	50	-	2.43	2.01	-16.50
Minneapolis-St Paul, MN	CO	Maintenance	100	-	3.11	2.15	-29.64
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	3.01	2.08	-28.78
Missoula, MT	CO	Maintenance	100	-	-0.02	-0.06	-0.79
Missoula, MT	PM ₁₀	Moderate	100	-	-0.02	-0.06	-0.76
Modesto, CA	CO	Maintenance	100	-	0.52	0.44	-3.48
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.19	0.17	-1.18
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.03
Morristown, NJ	CO	Maintenance	100	-	0.06	0.06	-0.35
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	-0.00	-0.28
Muncie, IN	Ozone	Maintenance	100	-	-0.06	-0.13	-1.20
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.00	-0.17
Muskegon, MI	Ozone	Maintenance	100	-	0.11	0.06	-1.31
Nashua, NH	CO	Maintenance	100	-	0.08	0.08	-0.45
Nashville, TN	Ozone	Former Subpart 1	50	-	2.38	1.98	-16.10
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.31	0.28	-1.76
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.23	0.20	-1.47
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	1.05	0.90	-6.55
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	-0.00	-0.01	-0.07
New York County, NY	PM ₁₀	Moderate	100	-	-7.73	-10.02	-19.35
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-5.39	-11.24	-97.98
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	5.07	-2.21	-162.08
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	5.08	-2.12	-160.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.06	0.05	-0.39

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	2.12	1.78	-13.89
Ogden, UT	CO	Maintenance	100	-	0.09	0.07	-0.60
Ogden, UT	PM ₁₀	Moderate	100	-	0.09	0.07	-0.60
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.02	0.01	-0.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.15	0.11	-1.16
Owens Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	-0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	0.03	-1.39
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.03	-1.40
Payson, AZ	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.19
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.13	0.12	-0.79
Perth Amboy, NJ	CO	Maintenance	100	-	0.16	0.14	-0.88
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.48	0.42	-2.91
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	5.21	4.10	-39.91
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	8.32	6.81	-58.23
Phoenix, AZ	CO	Maintenance	100	-	10.20	9.11	-56.47
Phoenix, AZ	PM ₁₀	Serious	70	-	10.45	9.32	-57.93
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	10.48	9.35	-58.07
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.03	0.02	-0.31
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	2.10	1.57	-17.64
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.99	1.53	-15.96
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.00	-0.21
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.04
Portland, ME	Ozone	Maintenance	100	-	0.84	0.74	-4.94

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	1.44	1.16	-10.47
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	-0.01	-0.03	-0.49
Poughkeepsie, NY	Ozone	Moderate	50	-	2.24	1.90	-14.32
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.08
Providence (entire State), RI	Ozone	Moderate	50	-	1.27	1.00	-9.52
Provo, UT	CO	Maintenance	100	-	0.25	0.21	-1.74
Raleigh-Durham, NC	CO	Maintenance	100	-	2.19	1.91	-13.03
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	2.91	2.52	-17.77
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Reading, PA	Ozone	Maintenance	100	-	0.42	0.35	-2.98
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.42	0.35	-2.98
Reno, NV	CO	Maintenance	100	-	0.37	0.33	-2.15
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	1.70	1.44	-10.88
Rillito, AZ	PM ₁₀	Moderate	100	-	0.09	0.08	-0.54
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	1.35	1.22	-7.17
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.26	0.19	-2.35
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.09	0.07	-0.81
Rochester, NY	Ozone	Former Subpart 1	50	-	1.79	1.50	-11.85
Rocky Mount, NC	Ozone	Maintenance	100	-	0.17	0.11	-1.68
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.07	0.03	-1.20
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	2.89	2.56	-16.40
Sacramento Metro, CA	Ozone	Severe	25	-	5.23	4.58	-30.67
Sacramento, CA	CO	Maintenance	100	-	3.26	2.89	-18.44
Salem, OR	CO	Maintenance	100	-	0.15	0.12	-1.16
Salt Lake City, UT	CO	Maintenance	100	-	0.31	0.26	-2.04

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	1.49	1.26	-9.74
Salt Lake County, UT	SO _x	Nonattainment	100	-	1.49	1.26	-9.74
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.92	1.27	-19.64
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.74	0.66	-4.09
San Diego, CA	CO	Maintenance	100	-	7.93	7.09	-43.52
San Diego, CA	Ozone	Former Subpart 1	50	-	7.94	7.11	-43.60
San Francisco Bay Area, CA	Ozone	Marginal	50	-	10.84	9.50	-63.56
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	12.23	10.74	-71.16
San Joaquin Valley, CA	Ozone	Extreme	10	-	7.95	6.78	-50.39
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	7.97	6.79	-50.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	7.95	6.78	-50.39
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.06	0.05	-0.35
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	-0.00	-0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.79	0.62	-6.12
Seattle-Tacoma, WA	CO	Maintenance	100	-	3.29	2.27	-31.62
Sheboygan, WI	Ozone	Moderate	50	-	0.15	0.12	-1.16
Sheridan, WY	PM ₁₀	Moderate	100	-	-0.01	-0.03	-0.27
Shoshone County, ID	PM ₁₀	Moderate	100	-	-0.00	-0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.03	0.03	-0.16
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.51	0.38	-4.20
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.17	0.14	-1.06
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.30	0.20	-3.15
Spokane, WA	CO	Maintenance	100	-	0.30	0.19	-3.12
Springfield (western MA), MA	Ozone	Moderate	50	-	1.35	1.20	-7.60
Springfield, MA	CO	Maintenance	100	-	0.24	0.21	-1.34
St. Louis, MO	CO	Maintenance	100	-	0.57	0.29	-7.35
St. Louis, MO-IL	Ozone	Moderate	50	-	3.18	2.44	-25.66
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	3.15	2.41	-25.50

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.29	0.25	-1.63
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.03	0.02	-0.23
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	-0.02	-0.04	-0.45
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.02	-0.07	-0.97
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.02	-0.07	-0.97
Stockton, CA	CO	Maintenance	100	-	0.86	0.74	-5.31
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.41	0.24	-4.75
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	-0.05	-1.24
Tioga County, PA	Ozone	Maintenance	100	-	0.07	0.06	-0.45
Toledo, OH	Ozone	Maintenance	100	-	0.62	0.49	-4.68
Toms River, NJ	CO	Maintenance	100	-	0.19	0.17	-1.03
Tooele County, UT	SO _x	Nonattainment	100	-	0.07	0.02	-1.11
Trenton, NJ	CO	Maintenance	100	-	0.14	0.12	-0.79
Trona, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Tucson, AZ	CO	Maintenance	100	-	1.61	1.39	-9.91
Utah County, UT	PM ₁₀	Moderate	100	-	0.72	0.59	-4.97
Vancouver, WA	CO	Maintenance	100	-	0.48	0.40	-3.40
Ventura County, CA	Ozone	Serious	50	-	1.61	1.43	-8.94
Vermillion County, IN	PM ₁₀	Maintenance	100	-	-0.01	-0.01	-0.08
Vigo County, IN	SO _x	Maintenance	100	-	0.01	-0.05	-1.24
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	-0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.09	0.08	-0.48
Warren County, NJ	SO _x	Maintenance	100	-	0.06	0.05	-0.32
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.01	-0.11
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.07	-2.10
Washington, DC-MD-VA	CO	Maintenance	100	-	2.53	2.23	-14.53

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	9.13	8.08	-51.93
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	8.97	7.95	-50.64
Washoe County, NV	PM ₁₀	Serious	70	-	0.37	0.33	-2.15
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	-0.00	-0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.01	-0.02	-0.65
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.07	0.02	-1.30
Weirton, WV	PM ₁₀	Maintenance	100	-	-0.00	-0.01	-0.08
Weirton, WV	SO _x	Maintenance	100	-	-0.01	-0.01	-0.11
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	-0.06	-1.39
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	-0.06	-1.39
Winston-Salem, NC	CO	Maintenance	100	-	0.51	0.41	-3.88
Worcester, MA	CO	Maintenance	100	-	0.39	0.35	-2.15
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.06	0.02	-1.00
Yakima, WA	CO	Maintenance	100	-	0.03	0.01	-0.49
York, PA	Ozone	Maintenance	100	-	0.60	0.49	-4.35
York, PA	PM _{2.5}	Nonattainment	100	-	0.49	0.41	-3.32
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.64	0.50	-5.11
Yuma, AZ	PM ₁₀	Moderate	100	-	0.30	0.26	-1.95

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-253
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.02
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.01	0.01
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.06	0.08	0.12
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.06	0.08	0.12
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Bakersfield, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.03	0.04	0.05
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.05
Baton Rouge, LA	Ozone	Moderate	50	-	-0.02	-0.03	-0.05
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.10	-0.13	-0.22
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Billings, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Birmingham, AL	Ozone	Maintenance	100	-	0.01	0.01	0.02

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Table B.1-253
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.00	0.01
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Boston, MA	CO	Maintenance	100	-	0.01	0.01	0.02
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.05	0.06	0.09
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.01	0.01
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Charlotte, NC	CO	Maintenance	100	-	0.01	0.01	0.01
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	0.02	0.03
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.01
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.06	0.08	0.13
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.07	0.09	0.13
Chico, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Clark County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.03
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Cleveland, OH	CO	Maintenance	100	-	0.01	0.01	0.02
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.02	0.03	0.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.03	0.04
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.01	0.01
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.01	0.01
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.01
Columbus, OH	Ozone	Maintenance	100	-	0.02	0.02	0.03
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.01	0.02
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.01	0.01	0.01
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.06	0.08	0.12
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.01	0.01	0.02
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.03	0.04	0.05
Denver-Boulder, CO	CO	Maintenance	100	-	0.03	0.03	0.05
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.03	0.04	0.06
Detroit, MI	CO	Maintenance	100	-	0.01	0.02	0.03
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.04	0.06	0.08
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.04	0.06	0.08

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	0.00
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.00
Erie, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.00
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.00	0.01
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Fresno, CA	CO	Maintenance	100	-	0.01	0.01	0.01
Grand Rapids, MI	Ozone	Maintenance	100	-	0.01	0.01	0.01
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Greater Connecticut, CT	Ozone	Moderate	50	-	0.02	0.02	0.03
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	0.02	0.03
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	0.00
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.01
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.01	0.02
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.16	-0.21	-0.37
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.00	0.00
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.02	0.02	0.04
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.03
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	0.00
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.02	0.02	0.03
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	0.00
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.00
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.00

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.01	0.02
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.01
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.01	0.01
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Las Vegas, NV	CO	Serious	100	-	0.01	0.02	0.03
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	0.00
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.14	0.18	0.27
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.14	0.18	0.27
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.14	0.18	0.27
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.14	0.18	0.27
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.27
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.01	0.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.01	0.02
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.02
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Medford, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Memphis, TN-AR	Ozone	Maintenance	100	-	0.01	0.01	0.02
Memphis, TN	CO	Maintenance	100	-	0.01	0.01	0.02
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.01	0.01
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.02	0.02	0.03
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	0.03	0.04
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.03	0.03	0.05
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.00
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Modesto, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	0.00
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.00
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.03
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.01	0.01	0.01
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.07	0.10	0.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.14	0.18	0.27
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.14	0.18	0.27
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.01	0.02	0.03
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.02	0.03	0.03
Phoenix, AZ	CO	Maintenance	100	-	0.04	0.05	0.08
Phoenix, AZ	PM ₁₀	Serious	70	-	0.04	0.06	0.08
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.04	0.06	0.08
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.00
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	0.02	0.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	0.03
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.01	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.01	0.02
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	0.02	0.02
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.01	0.02
Provo, UT	CO	Maintenance	100	-	0.00	0.00	0.00
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	0.02	0.02
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.02	0.02	0.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Reno, NV	CO	Maintenance	100	-	0.00	0.00	0.00
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.01	0.01	0.02
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.01	0.01
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.02	0.02
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.03
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	0.03	0.05
Sacramento, CA	CO	Maintenance	100	-	0.01	0.02	0.03
Salem, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.00	0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	0.02
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.01	0.02
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.02	0.02	0.03
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
San Diego, CA	CO	Maintenance	100	-	0.04	0.05	0.07
San Diego, CA	Ozone	Former Subpart 1	50	-	0.04	0.05	0.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.01	0.01	0.01
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.02	0.02	0.02
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.04	0.05	0.08
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.04	0.05	0.08
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.04	0.05	0.08
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.03	0.03	0.05
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	0.00
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.01	0.01
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Spokane, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.01	0.02
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	0.00
St. Louis, MO	CO	Maintenance	100	-	0.01	0.01	0.02
St. Louis, MO-IL	Ozone	Moderate	50	-	0.03	0.04	0.05
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.03	0.04	0.05

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	0.00
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Stockton, CA	CO	Maintenance	100	-	0.00	0.01	0.01
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.01	0.01
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	0.00
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.01	0.01
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.01	0.01	0.02
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.01
Vancouver, WA	CO	Maintenance	100	-	0.00	0.00	0.01
Ventura County, CA	Ozone	Serious	50	-	0.01	0.01	0.01
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	0.02	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.05	0.06	0.10
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.05	0.06	0.10
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	0.00
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.00	0.01
Worcester, MA	CO	Maintenance	100	-	0.00	0.00	0.00
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.00
York, PA	Ozone	Maintenance	100	-	0.00	0.01	0.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.01	0.01
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.02	-
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.02	-
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.00	-
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	-
Anchorage, AK	CO	Maintenance	100	-	0.00	0.00	-
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Atlanta, GA	Ozone	Moderate	50	-	0.14	0.20	-
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.14	0.20	-
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	-
Bakersfield, CA	CO	Maintenance	100	-	0.01	0.01	-0.01
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-
Baltimore, MD	Ozone	Moderate	50	-	0.06	0.09	-
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-
Baton Rouge, LA	Ozone	Moderate	50	-	-0.05	-0.07	-0.14
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.20	-0.30	-0.49
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	-
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.00	-
Billings, MT	CO	Maintenance	100	-	0.00	0.00	-
Birmingham, AL	Ozone	Maintenance	100	-	0.02	0.03	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.01	-
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-
Boston, MA	CO	Maintenance	100	-	0.02	0.03	-
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.11	0.15	-
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.01	0.02	-
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.02	0.03	-
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.01	-
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.01	-
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Charlotte, NC	CO	Maintenance	100	-	0.02	0.02	-
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.03	0.05	-
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.02	-
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.15	0.21	-0.00
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.22	-0.00
Chico, CA	CO	Maintenance	100	-	0.00	0.00	-
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.04	0.06	-0.00

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Table B.1-254
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-0.00
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Clark County, NV	PM ₁₀	Serious	70	-	0.03	0.05	-
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.01	-
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	-
Cleveland, OH	CO	Maintenance	100	-	0.02	0.03	-
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.05	0.08	-
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	0.07	-
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	-0.00
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	-
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.02	-
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Columbia, SC	Ozone	Former Subpart 1	50	-	0.01	0.02	-
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.05	-
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.03	-
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.02	-
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.15	0.21	-
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.03	-
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.06	0.09	-
Denver-Boulder, CO	CO	Maintenance	100	-	0.06	0.09	-
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.08	0.11	-
Detroit, MI	CO	Maintenance	100	-	0.03	0.05	-
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.10	0.14	-
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.10	0.14	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-
Duluth, MN	CO	Maintenance	100	-	0.00	0.00	-
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	-
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.01	-
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-
Erie, PA	Ozone	Maintenance	100	-	0.00	0.01	-
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.01	-
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.01	-
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.01	-
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Flint, MI	Ozone	Maintenance	100	-	0.01	0.02	-
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	-
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.01	-
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.00	-
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.01	-

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Table B.1-254
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-
Fresno, CA	CO	Maintenance	100	-	0.01	0.02	-
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.02	-
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-
Greater Connecticut, CT	Ozone	Moderate	50	-	0.03	0.05	-
Greeley, CO	CO	Maintenance	100	-	0.00	0.00	-
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.00	-
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	-
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	-
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.03	0.05	-
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.03	-
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.00	-
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.03	-
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	0.03	-
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.01	-
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.31	-0.47	-1.00
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.00
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.01	-
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	-
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-
Indianapolis, IN	Ozone	Maintenance	100	-	0.04	0.06	-
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.05	-
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.00	-
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.00	-
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.01	-
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.00	-
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.02	-
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.05	-
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.00	-
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.04	-
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.01	-
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	-
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.01	-
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.01	-
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.00	-
Las Vegas, NV	CO	Serious	100	-	0.03	0.05	-
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.00
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.00	-
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Lima, OH	Ozone	Maintenance	100	-	0.00	0.00	-
Longmont, CO	CO	Maintenance	100	-	0.00	0.00	-
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.32	0.46	-0.01
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.32	0.46	-0.01
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.32	0.46	-0.01
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.32	0.46	-0.01
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.32	0.46	-0.01
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.01	0.02	-0.00
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	0.03	-
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	0.03	-
Lowell, MA	CO	Maintenance	100	-	0.00	0.00	-
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.01	-
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Macon, GA	Ozone	Maintenance	100	-	0.00	0.01	-
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	-
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-
Madison, WI	SO _x	Maintenance	100	-	0.01	0.01	-
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-
Manchester, NH	CO	Maintenance	100	-	0.00	0.00	-
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.01	-
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-
Medford, OR	CO	Maintenance	100	-	0.00	0.00	-
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.03	-0.00
Memphis, TN	CO	Maintenance	100	-	0.02	0.03	-0.00
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.02	-
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.05	-
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.05	0.07	-0.02
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.06	0.08	-
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	-
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Modesto, CA	CO	Maintenance	100	-	0.01	0.01	-
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.00	-
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.00	-
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	-
Nashville, TN	Ozone	Former Subpart 1	50	-	0.03	0.05	-0.00
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.00	-
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.02	-
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.01	-
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.17	0.24	-
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.31	0.45	-
New York-N. New Jersey -Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.31	0.45	-
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.03	0.05	-
Ogden, UT	CO	Maintenance	100	-	0.00	0.00	-
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.00	-
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.00	-
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.01	-
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.18
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.06	0.08	-0.18
Phoenix, AZ	CO	Maintenance	100	-	0.10	0.14	-
Phoenix, AZ	PM ₁₀	Serious	70	-	0.10	0.15	-
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.10	0.15	-
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.04	0.06	-
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.06	-
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Portland, ME	Ozone	Maintenance	100	-	0.01	0.02	-

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Table B.1-254
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.03	-0.00
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.04	-
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.03	-
Provo, UT	CO	Maintenance	100	-	0.00	0.00	-
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.04	-
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.05	-
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Reading, PA	Ozone	Maintenance	100	-	0.01	0.01	-
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Reno, NV	CO	Maintenance	100	-	0.01	0.01	-
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.04	-
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.02	-0.00
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.01	-
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.00	-
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.04	-
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	-
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.05	-
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.08	-
Sacramento, CA	CO	Maintenance	100	-	0.04	0.05	-
Salem, OR	CO	Maintenance	100	-	0.00	0.00	-
Salt Lake City, UT	CO	Maintenance	100	-	0.00	0.01	-0.00

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Table B.1-254
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.03	-0.00
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.03	-
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.06	-
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.01	-0.00
San Diego, CA	CO	Maintenance	100	-	0.09	0.13	-
San Diego, CA	Ozone	Former Subpart 1	50	-	0.09	0.13	-
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.04	0.05	-0.23
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.06	0.07	-0.23
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.09	0.13	-0.01
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.09	0.13	-0.01
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.09	0.13	-0.01
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.01	0.02	-
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.06	0.09	-0.01
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.00	-
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.01	-
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	-
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-
Spokane, WA	CO	Maintenance	100	-	0.01	0.01	-
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.03	-
Springfield, MA	CO	Maintenance	100	-	0.00	0.00	-
St. Louis, MO	CO	Maintenance	100	-	0.02	0.03	-
St. Louis, MO-IL	Ozone	Moderate	50	-	0.06	0.09	-
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.06	0.09	-

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Table B.1-254
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	-
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.00	-
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Stockton, CA	CO	Maintenance	100	-	0.01	0.01	-
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-
Syracuse, NY	CO	Maintenance	100	-	0.01	0.02	-
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.00	-
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	-
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.02	-
Toms River, NJ	CO	Maintenance	100	-	0.00	0.00	-
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.00	-
Trenton, NJ	CO	Maintenance	100	-	0.00	0.00	-
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.03	-
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-
Vancouver, WA	CO	Maintenance	100	-	0.01	0.01	-0.00
Ventura County, CA	Ozone	Serious	50	-	0.02	0.03	-0.00
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.00	-
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	-
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.01	-
Washington, DC-MD-VA	CO	Maintenance	100	-	0.03	0.05	-

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Table B.1-254
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.11	0.16	-
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.11	0.16	-
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.01	-
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.00	-
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.00	-
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.01	-
Worcester, MA	CO	Maintenance	100	-	0.00	0.01	-
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	-
York, PA	Ozone	Maintenance	100	-	0.01	0.01	-
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.02	-
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.13	0.15	-0.70
Albuquerque, NM	CO	Maintenance	100	-	0.06	0.07	-0.32
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.06	0.07	-0.32
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.11
Anchorage, AK	CO	Maintenance	100	-	0.02	0.02	-0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Atlanta, GA	Ozone	Moderate	50	-	0.73	0.83	-3.82
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.73	0.83	-3.82
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.04	0.04	-0.27
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.32	0.36	-1.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.32	0.36	-1.67
Baton Rouge, LA	Ozone	Moderate	50	-	-0.10	-0.18	-0.75
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-0.58	-0.86	-1.47
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.02	0.02	-0.09
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Billings, MT	CO	Maintenance	100	-	0.01	0.01	-0.04
Birmingham, AL	Ozone	Maintenance	100	-	0.10	0.12	-0.53

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.10	0.12	-0.53
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.04	0.04	-0.18
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.18
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Boston, MA	CO	Maintenance	100	-	0.09	0.10	-0.46
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.53	0.61	-2.79
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.07	0.08	-0.36
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.12	0.13	-0.61
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.15
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.03	0.03	-0.14
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.14
Charlotte, NC	CO	Maintenance	100	-	0.08	0.09	-0.42
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.18	0.20	-0.93
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.05	0.06	-0.29
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.05	0.06	-0.27
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.74	0.84	-3.94
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.77	0.87	-4.07
Chico, CA	CO	Maintenance	100	-	0.01	0.02	-0.07
Chico, CA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.16
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.20	0.23	-1.07

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.20	0.23	-1.04
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.17	0.20	-0.91
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.03	0.03	-0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Cleveland, OH	CO	Maintenance	100	-	0.09	0.10	-0.46
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.26	0.29	-1.35
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.24	0.27	-1.24
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.08	0.09	-0.40
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.07	0.08	-0.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.35
Columbus, OH	Ozone	Maintenance	100	-	0.18	0.21	-0.97
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.17	0.20	-0.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.09	0.10	-0.46
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.07	0.08	-0.38
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.78	0.89	-4.08
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.08	0.09	-0.43
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.38
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.33	0.37	-1.72
Denver-Boulder, CO	CO	Maintenance	100	-	0.31	0.36	-1.65
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.40	0.45	-2.08
Detroit, MI	CO	Maintenance	100	-	0.15	0.17	-0.78
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.48	0.54	-2.50
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.47	0.53	-2.45

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Duluth, MN	CO	Maintenance	100	-	0.01	0.01	-0.04
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.11
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.05	0.06	-0.27
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.02	0.03	-0.12
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.02	0.03	-0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.02	0.03	-0.12
Evansville, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.14
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.17
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.16
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Flint, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.27
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.02	0.02	-0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.04	0.04	-0.20
Franklin County, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.07
Fredericksburg, VA	Ozone	Maintenance	100	-	0.05	0.05	-0.25

Appendix B

**Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
Fresno, CA	CO	Maintenance	100	-	0.07	0.07	-0.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.09	0.10	-0.46
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.16	0.19	-0.87
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	-0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.01	-0.07
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	-0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.16	0.19	-0.87
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.08	0.09	-0.42
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.09	0.10	-0.47
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.09	0.10	-0.48
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.10	-0.44
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.11	0.12	-0.55
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	-0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.15
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.65	-1.16	-5.73
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.03	-0.16
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Imperial County, CA	Ozone	Moderate	50	-	0.02	0.03	-0.13
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.02	0.03	-0.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.21	0.24	-1.12
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.17	0.19	-0.89
Jackson County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.04
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.08
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.01	-0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.11
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.27
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.18	0.20	-0.93
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.02	0.02	-0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.04
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	-0.03

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.13	0.15	-0.69
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.52
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.16
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	-0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.04
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.25
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.25
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.05	0.06	-0.26
LaPorte, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Las Vegas, NV	CO	Serious	100	-	0.17	0.20	-0.91
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.17	0.20	-0.92
Lauderdale County, AL	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Longmont, CO	CO	Maintenance	100	-	0.01	0.01	-0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	-0.02

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**Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	1.65	1.88	-8.72
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	1.65	1.88	-8.72
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	1.65	1.88	-8.72
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	1.65	1.88	-8.72
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	1.65	1.88	-8.72
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.08	0.09	-0.40
Louisville, KY-IN	Ozone	Maintenance	100	-	0.11	0.13	-0.60
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.11	0.12	-0.57
Lowell, MA	CO	Maintenance	100	-	0.01	0.01	-0.06
Lucas County, OH	SO _x	Maintenance	100	-	0.03	0.03	-0.15
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Macon, GA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.10
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.03	0.03	-0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.01	0.01	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.05
Marion County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.16
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	-0.07
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.17
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	-0.01
Medford, OR	CO	Maintenance	100	-	0.01	0.01	-0.05
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	0.10	0.11	-0.51
Memphis, TN	CO	Maintenance	100	-	0.09	0.10	-0.48
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02

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**Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.05	0.06	-0.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.18	0.21	-0.97
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.28	0.31	-1.67
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.30	0.34	-1.56
Missoula, MT	CO	Maintenance	100	-	0.01	0.01	-0.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Modesto, CA	CO	Maintenance	100	-	0.04	0.04	-0.19
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	-0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Nashua, NH	CO	Maintenance	100	-	0.01	0.01	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	0.20	-0.93
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.09
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.08	0.09	-0.41
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.04	0.05	-0.23
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.79	0.90	-4.14
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	1.52	1.74	-8.00
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	1.51	1.72	-7.93
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.02

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**Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.16	0.18	-0.84
Ogden, UT	CO	Maintenance	100	-	0.01	0.01	-0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	-0.08
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.08
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.01	-0.05
Perth Amboy, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.04	0.04	-0.19
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.22	0.18	-2.82
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	0.43	0.42	-3.95
Phoenix, AZ	CO	Maintenance	100	-	0.58	0.67	-3.07
Phoenix, AZ	PM ₁₀	Serious	70	-	0.60	0.69	-3.15
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.60	0.69	-3.16
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	-0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.20	0.23	-1.04
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.18	0.21	-0.95
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.06	0.07	-0.30

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.11	0.13	-0.63
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.15	0.18	-0.81
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.10	0.12	-0.54
Provo, UT	CO	Maintenance	100	-	0.02	0.02	-0.10
Raleigh-Durham, NC	CO	Maintenance	100	-	0.14	0.16	-0.76
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.20	0.22	-1.03
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.03	0.04	-0.18
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.18
Reno, NV	CO	Maintenance	100	-	0.03	0.03	-0.13
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.13	0.14	-0.66
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.08	0.09	-0.40
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.14
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.01	0.01	-0.04
Rochester, NY	Ozone	Former Subpart 1	50	-	0.14	0.16	-0.72
Rocky Mount, NC	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.06
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.18	0.20	-0.92
Sacramento Metro, CA	Ozone	Severe	25	-	0.32	0.37	-1.69
Sacramento, CA	CO	Maintenance	100	-	0.20	0.22	-1.03
Salem, OR	CO	Maintenance	100	-	0.01	0.02	-0.07
Salt Lake City, UT	CO	Maintenance	100	-	0.02	0.02	-0.12

Appendix B

**Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.11	0.12	-0.57
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.11	0.12	-0.57
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.20	0.23	-1.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.05	0.05	-0.25
San Diego, CA	CO	Maintenance	100	-	0.48	0.54	-2.50
San Diego, CA	Ozone	Former Subpart 1	50	-	0.48	0.54	-2.51
San Francisco Bay Area, CA	Ozone	Marginal	50	-	0.42	0.38	-4.29
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	0.51	0.49	-4.76
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.52	0.59	-2.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.52	0.59	-2.80
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.52	0.59	-2.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.07	0.08	-0.36
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.31	0.36	-1.71
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.01	-0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.05	0.05	-0.24
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.17
Spokane, WA	CO	Maintenance	100	-	0.03	0.04	-0.17
Springfield (western MA), MA	Ozone	Moderate	50	-	0.09	0.10	-0.48
Springfield, MA	CO	Maintenance	100	-	0.02	0.02	-0.08
St. Louis, MO	CO	Maintenance	100	-	0.08	0.10	-0.44
St. Louis, MO-IL	Ozone	Moderate	50	-	0.29	0.33	-1.53
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.29	0.33	-1.52

Appendix B

Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.01	0.01	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.01	0.01	-0.05
Stockton, CA	CO	Maintenance	100	-	0.05	0.06	-0.29
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.05	0.06	-0.27
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.06
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.05	0.06	-0.28
Toms River, NJ	CO	Maintenance	100	-	0.01	0.01	-0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.01	-0.06
Trenton, NJ	CO	Maintenance	100	-	0.01	0.01	-0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.11	0.12	-0.57
Utah County, UT	PM ₁₀	Moderate	100	-	0.05	0.06	-0.28
Vancouver, WA	CO	Maintenance	100	-	0.04	0.04	-0.19
Ventura County, CA	Ozone	Serious	50	-	0.10	0.11	-0.51
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.06
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.01	-0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.11
Washington, DC-MD-VA	CO	Maintenance	100	-	0.16	0.19	-0.86

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Table B.1-255
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.59	0.67	-3.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.57	0.65	-3.01
Washoe County, NV	PM ₁₀	Serious	70	-	0.03	0.03	-0.13
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.02	-0.07
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	-0.07
Winston-Salem, NC	CO	Maintenance	100	-	0.04	0.05	-0.22
Worcester, MA	CO	Maintenance	100	-	0.02	0.03	-0.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.05
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	-0.02
York, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.25
York, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.19
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.06	0.07	-0.32
Yuma, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.37	0.40	-0.86
Albuquerque, NM	CO	Maintenance	100	-	0.17	0.18	-0.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.05	0.05	-0.11
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.17	0.18	-0.40
Altoona, PA	Ozone	Maintenance	100	-	0.03	0.03	-0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.07	0.07	-0.16
Anchorage, AK	CO	Maintenance	100	-	0.05	0.05	-0.11
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Atlanta, GA	Ozone	Moderate	50	-	2.10	2.27	-4.90
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	2.10	2.27	-4.90
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Bakersfield, CA	CO	Maintenance	100	-	0.13	0.13	-0.35
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	-0.01
Baltimore, MD	Ozone	Moderate	50	-	0.90	0.98	-2.11
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.90	0.98	-2.11
Baton Rouge, LA	Ozone	Moderate	50	-	-0.13	-0.19	-1.02
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-1.05	-1.33	-2.12
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.05	-0.10
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.05	-0.10
Billings, MT	CO	Maintenance	100	-	0.02	0.02	-0.05
Birmingham, AL	Ozone	Maintenance	100	-	0.27	0.29	-0.63

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Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.27	0.29	-0.64
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.10	0.11	-0.24
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.10	0.11	-0.24
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Boston, MA	CO	Maintenance	100	-	0.24	0.26	-0.55
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.47	1.59	-3.44
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.20	0.21	-0.46
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.31	0.34	-0.73
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	-0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.08	0.08	-0.18
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.08	-0.18
Case County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Charleston, WV	Ozone	Maintenance	100	-	0.07	0.07	-0.16
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.07	0.07	-0.16
Charlotte, NC	CO	Maintenance	100	-	0.23	0.25	-0.55
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.51	0.55	-1.19
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.15	0.16	-0.35
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.14	0.15	-0.32
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	2.10	2.27	-4.94
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	2.17	2.34	-5.11
Chico, CA	CO	Maintenance	100	-	0.04	0.05	-0.10
Chico, CA	Ozone	Former Subpart 1	50	-	0.09	0.10	-0.21
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.57	0.61	-1.32

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Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.55	0.59	-1.28
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.52	0.56	-1.21
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.08	0.09	-0.19
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.11
Cleveland, OH	CO	Maintenance	100	-	0.22	0.24	-0.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.69	0.75	-1.62
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.63	0.68	-1.48
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.24	0.26	-0.55
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.02	-0.03
Colorado Springs, CO	CO	Maintenance	100	-	0.19	0.21	-0.45
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.19	0.20	-0.44
Columbus, OH	Ozone	Maintenance	100	-	0.53	0.58	-1.24
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.50	0.54	-1.16
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.24	-0.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.19	0.21	-0.44
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	2.29	2.47	-5.33
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.22	0.23	-0.51
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.21	-0.44
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.96	1.03	-2.23
Denver-Boulder, CO	CO	Maintenance	100	-	0.91	0.99	-2.13
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	1.15	1.25	-2.69
Detroit, MI	CO	Maintenance	100	-	0.34	0.37	-0.80
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.31	1.42	-3.06
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.29	1.39	-3.00

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Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.01	-0.03
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Duluth, MN	CO	Maintenance	100	-	0.02	0.02	-0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.06	-0.13
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.15	0.16	-0.34
El Paso, TX	CO	Maintenance	100	-	0.01	0.01	-0.02
Erie, PA	Ozone	Maintenance	100	-	0.06	0.06	-0.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.07	0.07	-0.16
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.07	0.07	-0.16
Evansville, IN	Ozone	Maintenance	100	-	0.07	0.08	-0.16
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.21
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.01	-0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.08	0.09	-0.20
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Flint, MI	Ozone	Maintenance	100	-	0.14	0.15	-0.33
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Fort Collins, CO	CO	Maintenance	100	-	0.06	0.06	-0.14
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.10	0.11	-0.24
Franklin County, PA	Ozone	Maintenance	100	-	0.05	0.05	-0.11
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.04	0.04	-0.09
Fredericksburg, VA	Ozone	Maintenance	100	-	0.14	0.15	-0.33

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Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.01	0.01	-0.02
Fresno, CA	CO	Maintenance	100	-	0.19	0.20	-0.44
Grand Rapids, MI	Ozone	Maintenance	100	-	0.25	0.27	-0.58
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	-0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	-0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.44	0.48	-1.04
Greeley, CO	CO	Maintenance	100	-	0.04	0.04	-0.09
Green Bay, WI	SO _x	Maintenance	100	-	0.04	0.04	-0.08
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.01	-0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.45	0.49	-1.05
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.22	0.24	-0.51
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.24	0.26	-0.56
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.04	-0.08
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.26	0.28	-0.61
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.24	0.26	-0.56
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.28	0.30	-0.65
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.08	0.08	-0.18
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	-0.00

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-0.55	-0.98	-7.64
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.07	0.08	-0.18
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	0.04	0.04	-0.09
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Imperial County, CA	Ozone	Moderate	50	-	0.07	0.08	-0.17
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.07	0.08	-0.17
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	-0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.61	0.65	-1.41
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.48	0.52	-1.12
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.02	-0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.10
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.04	-0.08
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.13
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.02	-0.05
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.14	0.15	-0.32
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.01	-0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.51	0.55	-1.18
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.05	-0.10
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.02	-0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.01	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.38	0.41	-0.89
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.29	0.31	-0.67
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.01	-0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lake County, IN	SO _x	Maintenance	100	-	0.08	0.08	-0.18
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.01	-0.03
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.03	0.03	-0.06
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.01	-0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.13	0.14	-0.31
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.13	0.14	-0.31
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.13	0.15	-0.31
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.03	-0.06
Las Vegas, NV	CO	Serious	100	-	0.52	0.56	-1.21
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.52	0.57	-1.22
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.02	-0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	-0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	-0.01
Lima, OH	Ozone	Maintenance	100	-	0.03	0.03	-0.07
Longmont, CO	CO	Maintenance	100	-	0.03	0.03	-0.07
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	4.76	5.14	-11.17
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	4.76	5.14	-11.17
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	4.76	5.14	-11.17
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	4.76	5.14	-11.17
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	4.76	5.14	-11.17
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.22	0.24	-0.51
Louisville, KY-IN	Ozone	Maintenance	100	-	0.31	0.33	-0.71
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.29	0.31	-0.68
Lowell, MA	CO	Maintenance	100	-	0.04	0.04	-0.08
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.08	-0.17
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.02	0.02	-0.04
Macon, GA	Ozone	Maintenance	100	-	0.05	0.06	-0.12
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.05	-0.12
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Madison, WI	SO _x	Maintenance	100	-	0.08	0.09	-0.19
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.01
Manchester, NH	CO	Maintenance	100	-	0.02	0.02	-0.04
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.03	0.03	-0.06
Marion County, IN	SO _x	Maintenance	100	-	0.08	0.09	-0.19
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.04	0.05	-0.10
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.21
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.01	-0.02
Medford, OR	CO	Maintenance	100	-	0.03	0.03	-0.06
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.06	0.07	-0.15
Memphis, TN-AR	Ozone	Maintenance	100	-	0.25	0.27	-0.60
Memphis, TN	CO	Maintenance	100	-	0.23	0.25	-0.56
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.14	0.15	-0.32
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.52	0.56	-1.20
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.81	0.87	-2.11
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.84	0.91	-1.97
Missoula, MT	CO	Maintenance	100	-	0.02	0.02	-0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.04
Modesto, CA	CO	Maintenance	100	-	0.11	0.12	-0.25
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.09
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Morristown, NJ	CO	Maintenance	100	-	0.01	0.01	-0.03
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.06
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	-0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.04	0.04	-0.09
Nashua, NH	CO	Maintenance	100	-	0.01	0.02	-0.03
Nashville, TN	Ozone	Former Subpart 1	50	-	0.50	0.54	-1.19
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.05	0.05	-0.11
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.21	0.23	-0.49
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	-0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.12	-0.26
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	2.14	2.31	-4.99
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	4.19	4.53	-9.78
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	4.15	4.49	-9.69
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.01	-0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.44	0.47	-1.02
Ogden, UT	CO	Maintenance	100	-	0.02	0.02	-0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.02	-0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	-0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.08
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	-0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.04	-0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.04	-0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	-0.00
Peoria, IL	SO _x	Maintenance	100	-	0.03	0.03	-0.06
Perth Amboy, NJ	CO	Maintenance	100	-	0.03	0.03	-0.07
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.10	-0.22
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	0.79	0.78	-3.53
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	1.38	1.42	-4.91
Phoenix, AZ	CO	Maintenance	100	-	1.85	2.00	-4.32
Phoenix, AZ	PM ₁₀	Serious	70	-	1.90	2.05	-4.43
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.90	2.06	-4.44
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.01	-0.02
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.53	0.57	-1.23
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.48	0.52	-1.12
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.01	-0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Portland, ME	Ozone	Maintenance	100	-	0.16	0.17	-0.37

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.32	0.34	-0.76
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.45	0.49	-1.06
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.29	0.31	-0.68
Provo, UT	CO	Maintenance	100	-	0.05	0.06	-0.13
Raleigh-Durham, NC	CO	Maintenance	100	-	0.42	0.45	-0.98
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.57	0.61	-1.33
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Reading, PA	Ozone	Maintenance	100	-	0.09	0.10	-0.22
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.10	-0.22
Reno, NV	CO	Maintenance	100	-	0.07	0.08	-0.16
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.34	0.37	-0.80
Rillito, AZ	PM ₁₀	Moderate	100	-	0.02	0.02	-0.04
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.24	0.26	-0.55
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.07	0.08	-0.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.03	-0.06
Rochester, NY	Ozone	Former Subpart 1	50	-	0.37	0.40	-0.87
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.05	-0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.08
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.53	0.58	-1.25
Sacramento Metro, CA	Ozone	Severe	25	-	0.99	1.07	-2.31
Sacramento, CA	CO	Maintenance	100	-	0.60	0.65	-1.40
Salem, OR	CO	Maintenance	100	-	0.04	0.04	-0.08
Salt Lake City, UT	CO	Maintenance	100	-	0.06	0.07	-0.15

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.30	0.33	-0.72
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.31	0.33	-0.72
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.57	0.61	-1.33
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.13	0.14	-0.31
San Diego, CA	CO	Maintenance	100	-	1.43	1.55	-3.34
San Diego, CA	Ozone	Former Subpart 1	50	-	1.43	1.55	-3.34
San Francisco Bay Area, CA	Ozone	Marginal	50	-	1.52	1.55	-5.66
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	1.77	1.82	-6.24
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.58	1.71	-3.76
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.59	1.71	-3.76
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.58	1.71	-3.76
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.01	-0.03
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.19	0.20	-0.43
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.91	0.98	-2.18
Sheboygan, WI	Ozone	Moderate	50	-	0.04	0.04	-0.08
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.01	-0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.01	-0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.13	0.14	-0.29
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.03	0.04	-0.08
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.09	0.10	-0.21
Spokane, WA	CO	Maintenance	100	-	0.09	0.10	-0.21
Springfield (western MA), MA	Ozone	Moderate	50	-	0.25	0.27	-0.58
Springfield, MA	CO	Maintenance	100	-	0.04	0.05	-0.10
St. Louis, MO	CO	Maintenance	100	-	0.21	0.22	-0.48
St. Louis, MO-IL	Ozone	Moderate	50	-	0.77	0.84	-1.81
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.77	0.83	-1.79

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	0.06	-0.12
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	-0.02
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.02	-0.05
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.02	-0.05
Stockton, CA	CO	Maintenance	100	-	0.17	0.18	-0.40
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	-0.00
Syracuse, NY	CO	Maintenance	100	-	0.13	0.15	-0.31
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.03	-0.07
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.02	-0.03
Toledo, OH	Ozone	Maintenance	100	-	0.14	0.15	-0.33
Toms River, NJ	CO	Maintenance	100	-	0.03	0.04	-0.08
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.03	-0.07
Trenton, NJ	CO	Maintenance	100	-	0.03	0.03	-0.06
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	-0.00
Tucson, AZ	CO	Maintenance	100	-	0.32	0.34	-0.74
Utah County, UT	PM ₁₀	Moderate	100	-	0.15	0.17	-0.36
Vancouver, WA	CO	Maintenance	100	-	0.11	0.11	-0.25
Ventura County, CA	Ozone	Serious	50	-	0.29	0.32	-0.68
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.03	-0.07
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Waltham, MA	CO	Maintenance	100	-	0.02	0.02	-0.04
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.01	-0.02
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	-0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.06	0.06	-0.14
Washington, DC-MD-VA	CO	Maintenance	100	-	0.47	0.51	-1.10

Appendix B

Table B.1-256
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Butadiene 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.69	1.83	-3.95
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.65	1.79	-3.86
Washoe County, NV	PM ₁₀	Serious	70	-	0.07	0.08	-0.16
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	-0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.02	-0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.04	0.04	-0.08
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	-0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	-0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.04	-0.08
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.04	-0.08
Winston-Salem, NC	CO	Maintenance	100	-	0.12	0.13	-0.28
Worcester, MA	CO	Maintenance	100	-	0.07	0.08	-0.16
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.03	0.03	-0.06
Yakima, WA	CO	Maintenance	100	-	0.01	0.01	-0.03
York, PA	Ozone	Maintenance	100	-	0.13	0.14	-0.31
York, PA	PM _{2.5}	Nonattainment	100	-	0.10	0.11	-0.24
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.17	-0.36
Yuma, AZ	PM ₁₀	Moderate	100	-	0.06	0.07	-0.14

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	0.75
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.05	0.35
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.05	0.35
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.08
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.02	0.54	3.88
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	0.54	3.88
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.03
Bakersfield, CA	CO	Maintenance	100	-	-0.09	-0.09	0.03
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.24	1.74
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.24	1.74
Baton Rouge, LA	Ozone	Moderate	50	-	-5.66	-7.56	-12.65
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-18.02	-24.25	-41.40
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.02	0.11
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.09
Billings, MT	CO	Maintenance	100	-	-2.99	-4.03	-6.88
Birmingham, AL	Ozone	Maintenance	100	-	-0.26	-0.28	-0.01

Appendix B

Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.26	-0.28	-0.01
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.03	0.19
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.19
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.00	0.07	0.51
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	0.42	3.00
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.05	0.38
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.10	0.69
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.48	-0.62	-0.94
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.48	-0.62	-0.94
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.02	0.17
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.17
Charlotte, NC	CO	Maintenance	100	-	0.00	0.06	0.43
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.13	0.95
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.32
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.04	0.29
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-8.36	-10.72	-15.25
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-8.36	-10.70	-15.11
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.06
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.16	1.16

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**Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.16	1.13
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.12	0.85
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.02	0.15
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.11
Cleveland, OH	CO	Maintenance	100	-	0.00	0.08	0.57
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.21	1.53
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.20	1.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.05	0.36
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.05	0.34
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.05	0.38
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.14	0.97
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.13	0.90
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.08	0.57
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.06	0.46
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	0.56	4.00
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.07	0.50
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.44
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-3.66	-4.71	-6.77
Denver-Boulder, CO	CO	Maintenance	100	-	-3.66	-4.72	-6.84
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-3.66	-4.66	-6.41
Detroit, MI	CO	Maintenance	100	-	-2.84	-3.70	-5.61
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-3.69	-4.61	-5.83
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-3.69	-4.62	-5.88

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.05
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-6.63	-8.92	-15.20
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-2.01	-2.67	-4.36
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.02
Erie, PA	Ozone	Maintenance	100	-	0.00	0.02	0.14
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.02	0.13
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.02	0.13
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.02	0.15
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.19
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.17
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.00	0.04	0.31
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.03	0.21
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.03	0.24

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.00	0.05	0.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.07	0.47
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	0.14	0.98
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.07
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.13	0.96
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.48
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.07	0.54
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.07
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.07	0.50
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.46
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.09	0.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.11
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.02	0.17
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.00

Appendix B

Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-27.49	-36.61	-60.29
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-3.63	-4.87	-8.21
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-3.63	-4.88	-8.29
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.02	0.12
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.02	0.12
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.16	1.17
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.13	0.93
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.09
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.07
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.02	0.13
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.04	0.30
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.14	0.97
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.08
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.03

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.10	0.68
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.53
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.02
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.18
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.03
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.04	0.26
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.26
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.04	0.28
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.06
Las Vegas, NV	CO	Serious	100	-	0.00	0.12	0.85
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.12	0.86
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.05
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	-4.61	-6.20	-10.58
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-13.01	-16.36	-21.34
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-13.01	-16.36	-21.34
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-13.01	-16.36	-21.34
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-13.01	-16.36	-21.34
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-13.01	-16.36	-21.34
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.06	0.40
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.09	0.67
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.09	0.65
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.07
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.18
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Macon, GA	Ozone	Maintenance	100	-	0.00	0.02	0.13
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.00	0.02	0.14
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.05
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.19
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.19
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.04
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Memphis, TN-AR	Ozone	Maintenance	100	-	-1.42	-1.83	-2.69
Memphis, TN	CO	Maintenance	100	-	-1.42	-1.84	-2.73
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.04	0.32
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.15	1.05
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.24	1.68
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.23	1.63
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.04
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Modesto, CA	CO	Maintenance	100	-	0.00	0.02	0.17
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.08
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.04
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.13	0.95
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.07	0.47
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.04	0.28
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-1.46	-1.35	1.21
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-2.00	-1.53	4.04
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-2.00	-1.54	3.97
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-5.13	-6.79	-10.94
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.04
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.09
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.01	0.06
Perth Amboy, NJ	CO	Maintenance	100	-	-0.55	-0.73	-1.23
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.03	0.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-7.95	-10.36	-15.77
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-7.96	-10.22	-14.59
Phoenix, AZ	CO	Maintenance	100	-	0.01	0.36	2.57
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	0.37	2.65
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	0.37	2.66
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.00	0.16	1.19
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.15	1.09
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.00	0.05	0.33

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.03	0.06	0.62
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.11	0.78
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.08	0.58
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.09
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.10	0.75
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.14	1.02
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.03	0.20
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Reno, NV	CO	Maintenance	100	-	0.00	0.02	0.14
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.00	0.09	0.70
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.05	0.36
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.16
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	0.79
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.02	0.11
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.12	0.84
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.21	1.50
Sacramento, CA	CO	Maintenance	100	-	0.00	0.13	0.93
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.08
Salt Lake City, UT	CO	Maintenance	100	-	-1.28	-1.71	-2.84

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-1.28	-1.65	-2.37
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.08	0.60
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.15	1.08
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.03	0.25
San Diego, CA	CO	Maintenance	100	-	0.01	0.33	2.35
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.33	2.36
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-10.59	-13.78	-20.83
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-10.59	-13.71	-20.34
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.08	0.23	2.34
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.08	0.23	2.35
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.08	0.23	2.34
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.06	0.40
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.24	1.73
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.07
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.04	0.27
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.10
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.17
Spokane, WA	CO	Maintenance	100	-	0.00	0.02	0.17
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.07	0.53
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.08
St. Louis, MO	CO	Maintenance	100	-	0.00	0.08	0.56
St. Louis, MO-IL	Ozone	Moderate	50	-	-20.63	-27.56	-45.92
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-20.63	-27.56	-45.93

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.04	-0.04	-0.02
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.04	-0.04	-0.02
Stockton, CA	CO	Maintenance	100	-	0.00	0.04	0.26
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.04	0.31
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.08
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Toledo, OH	Ozone	Maintenance	100	-	-4.80	-6.42	-10.76
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.06
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.06
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.00	0.08	0.57
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.04	0.28
Vancouver, WA	CO	Maintenance	100	-	0.00	0.02	0.18
Ventura County, CA	Ozone	Serious	50	-	-0.00	0.06	0.46
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.03
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Warren County, PA	SO _x	Nonattainment	100	-	-0.00	-0.00	0.00
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.02	0.13
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.13	0.92

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Table B.1-257
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	0.44	3.12
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	0.43	3.06
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.02	0.14
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wayne County, MI	PM ₁₀	Maintenance	100	-	-2.18	-2.93	-5.00
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.09
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.09
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.03	0.24
Worcester, MA	CO	Maintenance	100	-	0.00	0.02	0.13
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.02
York, PA	Ozone	Maintenance	100	-	0.00	0.04	0.26
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.20
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.05	0.39
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.11

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.00	0.29	2.92
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.13	1.34
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.33
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.13	1.35
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.02	0.23
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.04	0.38
Anchorage, AK	CO	Maintenance	100	-	0.00	0.03	0.32
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Atlanta, GA	Ozone	Moderate	50	-	0.02	1.52	15.28
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.02	1.52	15.29
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.12
Bakersfield, CA	CO	Maintenance	100	-	-0.19	-0.19	0.53
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.02
Baltimore, MD	Ozone	Moderate	50	-	0.01	0.68	6.82
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.68	6.82
Baton Rouge, LA	Ozone	Moderate	50	-	-11.54	-17.31	-26.48
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-36.75	-55.57	-88.63
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.04	0.41
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.03	0.33
Billings, MT	CO	Maintenance	100	-	-6.11	-9.23	-14.71
Birmingham, AL	Ozone	Maintenance	100	-	-0.54	-0.60	0.98

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-0.54	-0.59	0.99
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.07	0.74
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.07	0.74
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Boston, MA	CO	Maintenance	100	-	0.00	0.19	1.94
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.02	1.16	11.65
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.15	1.48
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.00	0.02
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.00	0.26	2.63
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Canton-Massillon, OH	Ozone	Maintenance	100	-	-0.98	-1.42	-1.72
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-0.98	-1.42	-1.72
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.10
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.06	0.63
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.06	0.63
Charlotte, NC	CO	Maintenance	100	-	0.00	0.17	1.68
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.00	0.37	3.76
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.12	1.24
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.11	1.13
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-17.08	-24.30	-25.56
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-17.08	-24.25	-25.01
Chico, CA	CO	Maintenance	100	-	0.00	0.02	0.25
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.06	0.57
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	0.45	4.50

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.43	4.36
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Clark County, NV	PM ₁₀	Serious	70	-	0.00	0.34	3.43
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.06	0.59
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.04	0.41
Cleveland, OH	CO	Maintenance	100	-	0.00	0.21	2.13
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	0.58	5.87
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.54	5.41
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.15	1.46
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.14
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.13	1.35
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.15	1.48
Columbus, OH	Ozone	Maintenance	100	-	0.01	0.38	3.84
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.35	3.56
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.00	0.21	2.13
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.17	1.74
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.02	1.58	15.91
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.19	1.90
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.17	1.68
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-7.48	-10.67	-11.44
Denver-Boulder, CO	CO	Maintenance	100	-	-7.48	-10.70	-11.73
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-7.48	-10.53	-10.03
Detroit, MI	CO	Maintenance	100	-	-5.78	-8.41	-10.48
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-7.54	-10.39	-7.86
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-7.54	-10.41	-8.05

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.08
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.06
Duluth, MN	CO	Maintenance	100	-	0.00	0.02	0.19
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	-13.53	-20.44	-32.49
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	-4.09	-6.09	-8.87
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.07
Erie, PA	Ozone	Maintenance	100	-	0.00	0.05	0.52
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.05	0.53
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.05	0.50
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.06	0.58
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.74
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.04
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.07	0.67
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Flint, MI	Ozone	Maintenance	100	-	0.00	0.12	1.18
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.04	0.40
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.08	0.83
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.35
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.30
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.09	0.95

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
Fresno, CA	CO	Maintenance	100	-	0.00	0.13	1.34
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.18	1.85
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.04
Greater Connecticut, CT	Ozone	Moderate	50	-	0.00	0.37	3.75
Greeley, CO	CO	Maintenance	100	-	0.00	0.03	0.28
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.03	0.28
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.11
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.10
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.00	0.37	3.70
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.18	1.83
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.00	0.20	2.04
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.01	0.05
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.03	0.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.00	0.19	1.95
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.18	1.80
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.00	0.24	2.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.01	0.09
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.04	0.41
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.07	0.67
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.01

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-56.09	-83.71	-123.86
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-7.40	-11.15	-17.35
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-7.40	-11.18	-17.66
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.05	0.50
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.05	0.49
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	0.45	4.57
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.36	3.62
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.02	0.18
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.04	0.35
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.03	0.28
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.05	0.49
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.02	0.23
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.25
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.11	1.15
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	0.38	3.80
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.03	0.33
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.19
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.01	0.06
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.11

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.00	0.27	2.71
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.00	0.21	2.10
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.08
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.07	0.69
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.08
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.07
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.14
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.05
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.10	1.03
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.10	1.03
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.11	1.09
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.22
Las Vegas, NV	CO	Serious	100	-	0.00	0.34	3.43
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.00	0.35	3.48
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	0.20
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.00	0.03
Lima, OH	Ozone	Maintenance	100	-	-9.40	-14.21	-22.65
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.21
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.10

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				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-26.58	-36.87	-30.05
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-26.58	-36.87	-30.05
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-26.58	-36.87	-30.05
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-26.58	-36.87	-30.05
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-26.58	-36.87	-30.06
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.16	1.58
Louisville, KY-IN	Ozone	Maintenance	100	-	0.00	0.26	2.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.00	0.25	2.49
Lowell, MA	CO	Maintenance	100	-	0.00	0.03	0.26
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.07	0.68
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.13
Macon, GA	Ozone	Maintenance	100	-	0.00	0.05	0.48
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.05	0.47
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Madison, WI	SO _x	Maintenance	100	-	0.00	0.06	0.56
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Manchester, NH	CO	Maintenance	100	-	0.00	0.02	0.18
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.02	0.23
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.07	0.71
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.26
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.07	0.73
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Medford, OR	CO	Maintenance	100	-	0.00	0.02	0.18
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.42
Memphis, TN-AR	Ozone	Maintenance	100	-	-2.90	-4.16	-4.79
Memphis, TN	CO	Maintenance	100	-	-2.90	-4.18	-4.97
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.07

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.12	1.20
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	0.40	4.06
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.01	0.65	6.57
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.01	0.64	6.39
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.14
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Modesto, CA	CO	Maintenance	100	-	0.00	0.07	0.71
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.07
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.07
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.03	0.26
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.03
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.03	0.29
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.14
Nashville, TN	Ozone	Former Subpart 1	50	-	0.00	0.37	3.73
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.03	0.32
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.03	0.32
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.18	1.79
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.10	1.04
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-3.00	-2.81	10.46
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-4.12	-2.95	23.70
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-4.12	-2.97	23.41
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.09

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-10.47	-15.51	-21.94
Ogden, UT	CO	Maintenance	100	-	0.00	0.02	0.16
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.02	0.16
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.05
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.33
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.33
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.02	0.23
Perth Amboy, NJ	CO	Maintenance	100	-	-1.12	-1.68	-2.55
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.09	0.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-16.22	-23.59	-29.45
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-16.26	-23.19	-24.82
Phoenix, AZ	CO	Maintenance	100	-	0.01	1.06	10.73
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	1.09	11.05
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	1.09	11.09
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.01	0.05
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.00	0.45	4.55
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.41	4.16
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.05
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Portland, ME	Ozone	Maintenance	100	-	0.00	0.13	1.28

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.06	0.17	2.49
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Poughkeepsie, NY	Ozone	Moderate	50	-	0.00	0.31	3.11
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Providence (entire State), RI	Ozone	Moderate	50	-	0.00	0.22	2.24
Provo, UT	CO	Maintenance	100	-	0.00	0.04	0.37
Raleigh-Durham, NC	CO	Maintenance	100	-	0.00	0.30	2.97
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	0.40	4.06
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.00	0.08	0.76
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.08	0.76
Reno, NV	CO	Maintenance	100	-	0.00	0.06	0.56
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.01	0.25	2.75
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.11
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.15	1.46
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.06	0.60
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	0.18
Rochester, NY	Ozone	Former Subpart 1	50	-	0.00	0.30	3.05
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.04	0.42
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.27
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.00	0.34	3.41
Sacramento Metro, CA	Ozone	Severe	25	-	0.01	0.61	6.13
Sacramento, CA	CO	Maintenance	100	-	0.01	0.38	3.81
Salem, OR	CO	Maintenance	100	-	0.00	0.03	0.30
Salt Lake City, UT	CO	Maintenance	100	-	-2.62	-3.92	-5.89

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-2.61	-3.73	-4.03
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.00	0.23	2.35
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	0.42	4.24
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.10	0.98
San Diego, CA	CO	Maintenance	100	-	0.01	0.94	9.47
San Diego, CA	Ozone	Former Subpart 1	50	-	0.01	0.94	9.49
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-21.62	-31.33	-38.13
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-21.62	-31.13	-36.19
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.18	0.74	9.90
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.18	0.74	9.94
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.18	0.74	9.90
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.08
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.15	1.52
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.01	0.68	6.81
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.03	0.27
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.04
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.10	1.03
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.01	0.03	0.38
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.07	0.68
Spokane, WA	CO	Maintenance	100	-	0.00	0.07	0.67
Springfield (western MA), MA	Ozone	Moderate	50	-	0.00	0.20	2.03
Springfield, MA	CO	Maintenance	100	-	0.00	0.03	0.33
St. Louis, MO	CO	Maintenance	100	-	0.00	0.21	2.09
St. Louis, MO-IL	Ozone	Moderate	50	-	-42.08	-63.08	-95.80
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-42.08	-63.08	-95.84

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.04	0.39
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.10
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.07	-0.09	0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.07	-0.09	0.04
Stockton, CA	CO	Maintenance	100	-	0.00	0.11	1.06
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.12	1.17
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.03	0.30
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.13
Toledo, OH	Ozone	Maintenance	100	-	-9.78	-14.70	-22.59
Toms River, NJ	CO	Maintenance	100	-	0.00	0.02	0.23
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.02	0.23
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.20
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Tucson, AZ	CO	Maintenance	100	-	0.00	0.23	2.26
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.11	1.10
Vancouver, WA	CO	Maintenance	100	-	0.00	0.07	0.71
Ventura County, CA	Ozone	Serious	50	-	-0.01	0.17	1.89
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.30
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.13
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.08
Warren County, PA	SO _x	Nonattainment	100	-	-0.01	-0.01	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.05	0.48
Washington, DC-MD-VA	CO	Maintenance	100	-	0.00	0.35	3.57

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Table B.1-258
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.02	1.22	12.30
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.02	1.20	12.04
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.06	0.56
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.16
Wayne County, MI	PM ₁₀	Maintenance	100	-	-4.45	-6.73	-10.68
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.03	0.34
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.03	0.34
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.09	0.94
Worcester, MA	CO	Maintenance	100	-	0.00	0.05	0.50
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.21
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.09
York, PA	Ozone	Maintenance	100	-	0.00	0.10	1.01
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.08	0.79
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.14	1.45
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.04	0.42

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

**Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.05
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.01	0.96	14.07
Albuquerque, NM	CO	Maintenance	100	-	0.00	0.44	6.40
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.12	1.70
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.00	0.44	6.49
Altoona, PA	Ozone	Maintenance	100	-	-0.00	0.07	1.03
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.15	2.21
Anchorage, AK	CO	Maintenance	100	-	0.00	0.11	1.66
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Atlanta, GA	Ozone	Moderate	50	-	0.04	5.25	76.90
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.04	5.26	76.93
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.04	0.54
Bakersfield, CA	CO	Maintenance	100	-	-0.57	-0.49	3.91
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.11
Baltimore, MD	Ozone	Moderate	50	-	0.02	2.30	33.67
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.02	2.30	33.66
Baton Rouge, LA	Ozone	Moderate	50	-	-33.72	-49.53	-65.08
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-107.41	-159.18	-228.09
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.12	1.79
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.28
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.11	1.66
Billings, MT	CO	Maintenance	100	-	-17.85	-26.45	-37.81
Birmingham, AL	Ozone	Maintenance	100	-	-1.59	-1.63	7.26

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Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-1.59	-1.63	7.30
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.00	0.25	3.72
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.00	0.25	3.72
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.20
Boston, MA	CO	Maintenance	100	-	0.00	0.63	9.17
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.03	3.83	56.05
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.00	0.50	7.33
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.10
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.01	0.84	12.28
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.20
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.23
Canton-Massillon, OH	Ozone	Maintenance	100	-	-2.87	-4.05	-3.15
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-2.87	-4.05	-3.15
Case County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.46
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.06
Charleston, WV	Ozone	Maintenance	100	-	0.00	0.19	2.78
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.00	0.19	2.78
Charlotte, NC	CO	Maintenance	100	-	0.00	0.58	8.52
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.01	1.29	18.81
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.00	0.39	5.80
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.00	0.36	5.33
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-49.94	-68.81	-29.09
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-49.94	-68.63	-26.42
Chico, CA	CO	Maintenance	100	-	0.00	0.10	1.42
Chico, CA	Ozone	Former Subpart 1	50	-	0.00	0.21	3.13
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.01	1.48	21.60

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**Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	1.43	20.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	-0.00	0.01	0.13
Clark County, NV	PM ₁₀	Serious	70	-	0.01	1.25	18.24
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.00	0.20	2.96
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.13	1.91
Cleveland, OH	CO	Maintenance	100	-	0.01	0.63	9.26
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.01	1.86	27.22
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.01	1.71	24.99
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.00	0.55	8.10
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.04	0.59
Colorado Springs, CO	CO	Maintenance	100	-	0.00	0.47	6.95
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Columbia, SC	Ozone	Former Subpart 1	50	-	0.00	0.49	7.12
Columbus, OH	Ozone	Maintenance	100	-	0.01	1.33	19.43
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.01	1.23	18.07
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.00	-0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.01	0.63	9.26
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.00	0.53	7.70
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.04	5.61	82.15
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.00	0.59	8.67
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.00	0.52	7.64
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-21.87	-30.12	-12.62
Denver-Boulder, CO	CO	Maintenance	100	-	-21.87	-30.23	-14.14
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-21.87	-29.63	-5.46
Detroit, MI	CO	Maintenance	100	-	-16.65	-23.66	-20.29
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-22.05	-29.35	2.52
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-22.05	-29.41	1.58

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.03	0.42
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.37
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.30
Duluth, MN	CO	Maintenance	100	-	0.00	0.06	0.83
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-39.54	-58.55	-83.35
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	-11.96	-17.39	-20.42
El Paso, TX	CO	Maintenance	100	-	0.00	0.02	0.34
Erie, PA	Ozone	Maintenance	100	-	0.00	0.16	2.38
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.00	0.18	2.58
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.00	0.17	2.47
Evansville, IN	Ozone	Maintenance	100	-	0.00	0.19	2.72
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.00	0.24	3.47
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.20
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.00	0.22	3.21
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.09
Flint, MI	Ozone	Maintenance	100	-	0.00	0.38	5.49
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.14	2.10
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.00	0.27	3.98
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.12	1.70
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.10	1.43
Fredericksburg, VA	Ozone	Maintenance	100	-	0.00	0.34	4.99

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.01	0.21
Fresno, CA	CO	Maintenance	100	-	0.00	0.47	6.88
Grand Rapids, MI	Ozone	Maintenance	100	-	0.00	0.63	9.22
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.03	0.41
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.03	0.39
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.19
Greater Connecticut, CT	Ozone	Moderate	50	-	0.01	1.19	17.42
Greeley, CO	CO	Maintenance	100	-	0.00	0.10	1.41
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.09	1.36
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.04	0.53
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.03	0.48
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.01	1.19	17.44
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.58	8.54
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.01	0.64	9.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.24
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.09	1.26
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.01	0.66	9.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.61	8.91
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.01	0.76	11.13
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.47
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	-0.00	0.03	0.43
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.13	1.84
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.00	0.21	3.08
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.02

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-163.95	-239.11	-291.08
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-21.64	-31.91	-43.67
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-21.64	-32.01	-45.16
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.30
Imperial County, CA	Ozone	Moderate	50	-	0.00	0.18	2.64
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.00	0.18	2.59
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.35
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.01	1.54	22.54
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.01	1.22	17.91
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.06	0.84
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.11	1.65
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.09	1.33
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.15	2.27
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.06	0.94
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.07	1.03
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.00	0.37	5.37
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.35
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.01	1.29	18.81
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.11	1.63
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.30
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.06	0.89
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.26
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.04	0.52

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.52
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.01	0.95	13.84
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.01	0.72	10.55
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.02	0.35
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.16
Lake County, IN	SO _x	Maintenance	100	-	0.00	0.21	3.12
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.38
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.06
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.03	0.40
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.06	0.87
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.01	0.22
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.00	0.34	4.98
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.34	4.98
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.00	0.35	5.17
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.07	0.98
Las Vegas, NV	CO	Serious	100	-	0.01	1.25	18.24
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.01	1.26	18.47
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.06	0.90
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.06
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.13
Lima, OH	Ozone	Maintenance	100	-	-27.47	-40.71	-58.26
Longmont, CO	CO	Maintenance	100	-	0.00	0.07	1.10
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.03	0.50

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-77.74	-103.58	6.86
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-77.74	-103.58	6.86
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-77.74	-103.58	6.86
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-77.74	-103.58	6.86
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-77.74	-103.58	6.85
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.00	0.55	8.01
Louisville, KY-IN	Ozone	Maintenance	100	-	0.01	0.82	11.98
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.01	0.78	11.48
Lowell, MA	CO	Maintenance	100	-	0.00	0.09	1.29
Lucas County, OH	SO _x	Maintenance	100	-	0.00	0.21	3.04
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	0.03	0.62
Macon, GA	Ozone	Maintenance	100	-	0.00	0.14	2.11
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.14	2.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Madison, WI	SO _x	Maintenance	100	-	0.00	0.20	2.92
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.13
Manchester, NH	CO	Maintenance	100	-	0.00	0.05	0.78
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.07	1.06
Marion County, IN	SO _x	Maintenance	100	-	0.00	0.22	3.22
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.10	1.43
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.00	0.24	3.47
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.02	0.29
Medford, OR	CO	Maintenance	100	-	0.00	0.06	0.94
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.15	2.26
Memphis, TN-AR	Ozone	Maintenance	100	-	-8.47	-11.87	-8.03
Memphis, TN	CO	Maintenance	100	-	-8.47	-11.93	-8.82
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.02	0.35

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.05
Milwaukee, WI	SO _x	Maintenance	100	-	0.00	0.37	5.48
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.01	1.34	19.57
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.02	2.21	32.36
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.02	2.15	31.44
Missoula, MT	CO	Maintenance	100	-	0.00	0.05	0.69
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.05	0.66
Modesto, CA	CO	Maintenance	100	-	0.00	0.26	3.82
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.09	1.30
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.00	0.03	0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.02	0.30
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.08	1.13
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.05
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.17
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.10	1.42
Nashua, NH	CO	Maintenance	100	-	0.00	0.04	0.63
Nashville, TN	Ozone	Former Subpart 1	50	-	0.01	1.27	18.61
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.13	1.89
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.11	1.64
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.00	0.56	8.25
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.06
New York County, NY	PM ₁₀	Moderate	100	-	0.00	0.32	4.61
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-8.80	-7.43	64.26
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-12.10	-7.08	134.65
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-12.10	-7.18	133.22
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.03	0.46

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-30.61	-44.30	-49.28
Ogden, UT	CO	Maintenance	100	-	0.00	0.05	0.74
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.05	0.74
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.21
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.09	1.27
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.05
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.10	1.51
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.10	1.52
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.23
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.07	1.02
Perth Amboy, NJ	CO	Maintenance	100	-	-3.28	-4.80	-6.13
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.00	0.27	3.89
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-47.43	-67.22	-55.26
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-47.55	-65.87	-32.90
Phoenix, AZ	CO	Maintenance	100	-	0.01	4.19	61.73
Phoenix, AZ	PM ₁₀	Serious	70	-	0.01	4.31	63.42
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.01	4.32	63.60
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	-0.00	0.02	0.29
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	-0.00	1.41	20.92
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	-0.00	1.29	19.10
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.22
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Portland, ME	Ozone	Maintenance	100	-	0.00	0.42	6.11

Appendix B

**Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2040**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.17	0.59	12.09
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.03	0.46
Poughkeepsie, NY	Ozone	Moderate	50	-	0.01	1.11	16.20
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Providence (entire State), RI	Ozone	Moderate	50	-	0.01	0.75	10.94
Provo, UT	CO	Maintenance	100	-	0.00	0.13	1.94
Raleigh-Durham, NC	CO	Maintenance	100	-	0.01	1.04	15.20
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.01	1.41	20.66
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.00	0.24	3.58
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.24	3.58
Reno, NV	CO	Maintenance	100	-	0.00	0.18	2.66
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.04	0.84	13.15
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.04	0.60
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.00	0.55	8.10
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.00	0.19	2.75
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.06	0.90
Rochester, NY	Ozone	Former Subpart 1	50	-	0.01	0.98	14.40
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.13	1.94
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.09	1.28
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.03
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.01	1.27	18.52
Sacramento Metro, CA	Ozone	Severe	25	-	0.02	2.32	33.96
Sacramento, CA	CO	Maintenance	100	-	0.01	1.42	20.81
Salem, OR	CO	Maintenance	100	-	0.00	0.10	1.39
Salt Lake City, UT	CO	Maintenance	100	-	-7.65	-11.20	-14.16

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Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-7.65	-10.57	-5.05
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.01	0.79	11.50
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.01	1.44	21.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.00	0.34	4.97
San Diego, CA	CO	Maintenance	100	-	0.03	3.44	50.33
San Diego, CA	Ozone	Former Subpart 1	50	-	0.03	3.45	50.42
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-63.21	-88.81	-62.30
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-63.21	-88.17	-52.81
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.54	2.96	54.54
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.54	2.97	54.71
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.54	2.96	54.54
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.40
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.00	0.49	7.20
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	2.33	34.08
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.09	1.32
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.23
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.20
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.00	0.33	4.87
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.02	0.08	1.56
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.00	0.23	3.37
Spokane, WA	CO	Maintenance	100	-	0.00	0.23	3.33
Springfield (western MA), MA	Ozone	Moderate	50	-	0.01	0.66	9.60
Springfield, MA	CO	Maintenance	100	-	0.00	0.11	1.60
St. Louis, MO	CO	Maintenance	100	-	0.00	0.60	8.84
St. Louis, MO-IL	Ozone	Moderate	50	-	-123.00	-180.51	-235.16
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-123.00	-180.53	-235.36

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Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.13	1.95
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.03	0.42
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.21	-0.25	0.49
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.21	-0.25	0.49
Stockton, CA	CO	Maintenance	100	-	0.00	0.39	5.77
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.00	0.37	5.36
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.09	1.30
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.04	0.57
Toledo, OH	Ozone	Maintenance	100	-	-28.60	-42.07	-56.14
Toms River, NJ	CO	Maintenance	100	-	0.00	0.08	1.19
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.08	1.13
Trenton, NJ	CO	Maintenance	100	-	0.00	0.07	0.97
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Tucson, AZ	CO	Maintenance	100	-	0.01	0.79	11.52
Utah County, UT	PM ₁₀	Moderate	100	-	0.00	0.38	5.62
Vancouver, WA	CO	Maintenance	100	-	0.00	0.26	3.74
Ventura County, CA	Ozone	Serious	50	-	-0.03	0.65	10.18
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.07
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.09	1.30
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.04	0.60
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.03	0.40
Warren County, PA	SO _x	Nonattainment	100	-	-0.02	-0.02	0.10
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.15	2.27
Washington, DC-MD-VA	CO	Maintenance	100	-	0.01	1.18	17.31

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Table B.1-259
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.03	4.23	61.95
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.03	4.14	60.58
Washoe County, NV	PM ₁₀	Serious	70	-	0.00	0.18	2.66
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.05	0.70
Wayne County, MI	PM ₁₀	Maintenance	100	-	-13.09	-19.37	-27.39
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.12
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.10	1.46
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.10	1.46
Winston-Salem, NC	CO	Maintenance	100	-	0.00	0.31	4.51
Worcester, MA	CO	Maintenance	100	-	0.00	0.17	2.53
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.07	1.03
Yakima, WA	CO	Maintenance	100	-	0.00	0.03	0.46
York, PA	Ozone	Maintenance	100	-	0.00	0.34	5.00
York, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.26	3.87
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.00	0.44	6.39
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.15	2.20

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

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Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.07
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.07
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	1.41	20.89
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.63	9.39
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.18	2.65
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.65	9.59
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.09	1.42
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.26	3.78
Anchorage, AK	CO	Maintenance	100	-	0.00	0.17	2.54
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.08
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.12
Atlanta, GA	Ozone	Moderate	50	-	0.17	7.99	118.24
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.17	7.99	118.27
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.05	0.77
Bakersfield, CA	CO	Maintenance	100	-	-1.06	-0.81	6.16
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.15
Baltimore, MD	Ozone	Moderate	50	-	0.07	3.44	50.96
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	3.44	50.96
Baton Rouge, LA	Ozone	Moderate	50	-	-63.65	-79.01	-95.43
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-202.79	-253.77	-335.01
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.16	2.42
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.46
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.17	2.52
Billings, MT	CO	Maintenance	100	-	-33.70	-42.16	-55.50
Birmingham, AL	Ozone	Maintenance	100	-	-2.98	-2.73	10.26

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Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	-2.98	-2.73	10.32
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.38	5.69
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.38	5.69
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.02	0.33
Boston, MA	CO	Maintenance	100	-	0.02	0.90	13.39
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	5.61	83.06
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.75	11.09
Boyd County (part), KY	SO _x	Maintenance	100	-	0.00	0.01	0.14
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	1.20	17.71
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.07
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.02	0.27
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.03	0.38
Canton-Massillon, OH	Ozone	Maintenance	100	-	-5.41	-6.49	-4.80
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	-5.41	-6.49	-4.80
Case County, MI	Ozone	Maintenance	100	-	0.00	0.04	0.66
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.01	0.08
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.26	3.79
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.26	3.79
Charlotte, NC	CO	Maintenance	100	-	0.02	0.89	13.18
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	1.95	28.79
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.56	8.37
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.52	7.75
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	-94.20	-110.25	-39.74
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	-94.20	-109.98	-35.73
Chico, CA	CO	Maintenance	100	-	0.00	0.16	2.44
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.35	5.11
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	2.16	31.97

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Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.04	2.09	30.94
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.16
Clark County, NV	PM ₁₀	Serious	70	-	0.04	1.98	29.26
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.31	4.52
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.19	2.76
Cleveland, OH	CO	Maintenance	100	-	0.02	0.84	12.44
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	2.64	39.05
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.05	2.41	35.70
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.02	0.90	13.39
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.05	0.78
Colorado Springs, CO	CO	Maintenance	100	-	0.02	0.74	10.89
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.72	10.60
Columbus, OH	Ozone	Maintenance	100	-	0.04	2.03	30.04
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	1.89	27.98
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	-0.01	-0.01	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.84	12.44
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.72	10.73
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.18	8.71	128.84
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.83	12.22
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.73	10.73
Denver Metro, CO	PM ₁₀	Maintenance	100	-	-41.25	-48.15	-15.58
Denver-Boulder, CO	CO	Maintenance	100	-	-41.25	-48.32	-17.97
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	-41.23	-47.40	-4.42
Detroit, MI	CO	Maintenance	100	-	-33.26	-40.41	-36.56
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	-41.54	-47.20	3.84
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	-41.54	-47.30	2.46

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Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.04	0.64
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.04	0.53
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.03	0.44
Duluth, MN	CO	Maintenance	100	-	0.00	0.08	1.16
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.16
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	-74.64	-93.35	-122.46
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
El Paso County, TX	PM ₁₀	Moderate	100	-	-22.58	-27.76	-29.77
El Paso, TX	CO	Maintenance	100	-	0.00	0.03	0.49
Erie, PA	Ozone	Maintenance	100	-	0.00	0.23	3.36
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.03
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.26	3.91
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.25	3.76
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.27	3.95
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.34	4.99
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.02	0.32
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.32	4.73
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.14
Flint, MI	Ozone	Maintenance	100	-	0.01	0.53	7.88
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.22	3.32
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.40	5.87
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.17	2.55
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.14	2.12
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.54	7.96

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.02	0.37
Fresno, CA	CO	Maintenance	100	-	0.01	0.72	10.64
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.95	14.06
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.04	0.54
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.03
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.04	0.63
Great Falls, MT	CO	Maintenance	100	-	0.00	0.02	0.24
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	1.69	25.02
Greeley, CO	CO	Maintenance	100	-	0.00	0.15	2.17
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.14	2.01
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.05	0.78
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.05	0.68
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	1.71	25.37
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.83	12.31
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.91	13.42
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.02	0.35
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.13	1.86
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.99	14.66
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.91	13.51
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.02	1.07	15.76
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.19
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.05	0.75
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.01	0.08
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.04	0.64
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.17	2.57
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.30	4.40
Hollis Township, IL	SO _x	Maintenance	100	-	-0.00	0.00	0.03

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-309.47	-381.53	-424.20
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.04
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-40.85	-50.91	-64.32
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-40.85	-51.05	-66.48
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.42
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.28	4.21
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.28	4.13
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.03	0.49
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	2.30	34.10
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	1.83	27.14
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.08	1.21
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.16	2.37
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.13	1.93
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.00	0.22	3.22
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.08	1.18
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.09	1.30
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.02	0.22
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.52	7.74
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.04	0.55
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	1.93	28.53
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.17	2.48
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.03	0.48
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.09	1.29
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.02	0.37
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.18
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.05	0.74

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.05	0.74
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	1.45	21.51
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	1.10	16.22
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.03	0.48
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.02	0.24
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.29	4.34
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.04	0.54
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.05	0.68
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.10	1.55
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.02	0.31
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.50	7.43
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.50	7.43
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.51	7.59
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.09	1.34
Las Vegas, NV	CO	Serious	100	-	0.04	1.98	29.26
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	2.00	29.56
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.09	1.27
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.16
Lima, OH	Ozone	Maintenance	100	-	-51.86	-64.90	-85.58
Longmont, CO	CO	Maintenance	100	-	0.00	0.12	1.76
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.05	0.74

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	-146.56	-165.99	22.12
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	-146.56	-165.99	22.12
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	-146.56	-165.99	22.12
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	-146.56	-165.99	22.13
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	-146.56	-165.99	22.11
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.84	12.42
Louisville, KY-IN	Ozone	Maintenance	100	-	0.02	1.16	17.24
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.02	1.11	16.39
Lowell, MA	CO	Maintenance	100	-	0.00	0.13	1.99
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.28	4.20
Lyons Township, IL	PM ₁₀	Maintenance	100	-	-0.01	0.04	0.85
Macon, GA	Ozone	Maintenance	100	-	0.00	0.19	2.88
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.19	2.84
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.04
Madison, WI	SO _x	Maintenance	100	-	0.01	0.31	4.63
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.02	0.24
Manchester, NH	CO	Maintenance	100	-	0.00	0.07	1.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.10	1.50
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.30	4.50
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.16	2.35
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.35	5.12
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.03	0.43
Medford, OR	CO	Maintenance	100	-	0.00	0.10	1.52
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.25	3.66
Memphis, TN-AR	Ozone	Maintenance	100	-	-15.97	-19.07	-12.48
Memphis, TN	CO	Maintenance	100	-	-15.98	-19.14	-13.52
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.04	0.56

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.07
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.53	7.79
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	1.96	29.04
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.07	3.30	48.89
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	3.21	47.46
Missoula, MT	CO	Maintenance	100	-	0.00	0.07	1.03
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.07	1.00
Modesto, CA	CO	Maintenance	100	-	0.01	0.42	6.15
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.14	2.13
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.05
Morristown, NJ	CO	Maintenance	100	-	0.00	0.04	0.65
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.03	0.41
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.10	1.49
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.09
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.02	0.25
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.14	2.10
Nashua, NH	CO	Maintenance	100	-	0.00	0.06	0.84
Nashville, TN	Ozone	Former Subpart 1	50	-	0.04	1.92	28.39
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.22	3.24
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.18	2.63
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.79	11.75
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	0.09
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.43	6.33
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	-16.52	-12.78	92.48
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	-22.66	-12.87	197.44
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	-22.66	-13.01	195.26
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.05	0.69

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	-57.77	-70.78	-72.52
Ogden, UT	CO	Maintenance	100	-	0.00	0.07	1.06
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.07	1.06
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.02	0.28
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.13	1.99
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.09
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.14	2.14
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.14	2.15
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.02	0.35
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Peoria, IL	SO _x	Maintenance	100	-	-0.00	0.09	1.43
Perth Amboy, NJ	CO	Maintenance	100	-	-6.19	-7.65	-8.80
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.36	5.27
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-89.50	-107.66	-82.08
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-89.67	-105.69	-49.13
Phoenix, AZ	CO	Maintenance	100	-	0.11	7.01	104.32
Phoenix, AZ	PM ₁₀	Serious	70	-	0.12	7.19	106.98
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.12	7.20	107.24
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.14
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.03	0.51
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.02	1.98	29.72
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.02	1.81	27.13
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.02	0.32
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Portland, ME	Ozone	Maintenance	100	-	0.01	0.60	8.99

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	-0.31	0.81	17.61
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.04	0.65
Poughkeepsie, NY	Ozone	Moderate	50	-	0.04	1.73	25.55
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	1.11	16.41
Provo, UT	CO	Maintenance	100	-	0.00	0.21	3.05
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	1.60	23.65
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.05	2.17	32.06
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Reading, PA	Ozone	Maintenance	100	-	0.01	0.35	5.20
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.35	5.20
Reno, NV	CO	Maintenance	100	-	0.01	0.27	3.93
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	-0.05	1.21	19.27
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.07	0.98
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.02	0.90	13.39
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.26	3.91
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.09	1.35
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	1.42	20.98
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.19	2.75
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.12	1.85
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.04
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.04	2.04	30.11
Sacramento Metro, CA	Ozone	Severe	25	-	0.08	3.78	55.88
Sacramento, CA	CO	Maintenance	100	-	0.05	2.29	33.89
Salem, OR	CO	Maintenance	100	-	0.00	0.14	2.00
Salt Lake City, UT	CO	Maintenance	100	-	-14.44	-17.86	-20.67

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	-14.42	-16.94	-6.98
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	1.17	17.30
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.05	2.17	32.05
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.51	7.55
San Diego, CA	CO	Maintenance	100	-	0.12	5.45	80.61
San Diego, CA	Ozone	Former Subpart 1	50	-	0.12	5.46	80.77
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-119.26	-141.85	-84.95
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-119.24	-140.90	-70.86
San Joaquin Valley, CA	Ozone	Extreme	10	-	-0.95	4.74	88.30
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	-0.95	4.75	88.50
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	-0.95	4.74	88.30
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.04	0.64
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.71	10.49
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.07	3.52	52.11
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.13	1.99
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.02	0.33
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.02	0.29
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.48	7.10
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	-0.03	0.09	1.84
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.35	5.13
Spokane, WA	CO	Maintenance	100	-	0.01	0.34	5.07
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.95	14.00
Springfield, MA	CO	Maintenance	100	-	0.00	0.17	2.46
St. Louis, MO	CO	Maintenance	100	-	0.02	0.78	11.60
St. Louis, MO-IL	Ozone	Moderate	50	-	-232.17	-288.12	-346.78
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	-232.17	-288.13	-347.07

Appendix B

Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.20	2.99
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.03	0.39
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.04	0.57
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	-0.40	-0.42	0.60
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	-0.40	-0.42	0.60
Stockton, CA	CO	Maintenance	100	-	0.01	0.65	9.55
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.51	7.60
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.12	1.74
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.05	0.79
Toledo, OH	Ozone	Maintenance	100	-	-53.99	-67.14	-82.72
Toms River, NJ	CO	Maintenance	100	-	0.00	0.13	1.91
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.11	1.70
Trenton, NJ	CO	Maintenance	100	-	0.00	0.10	1.45
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.06
Tucson, AZ	CO	Maintenance	100	-	0.03	1.21	17.85
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.59	8.71
Vancouver, WA	CO	Maintenance	100	-	0.01	0.40	5.94
Ventura County, CA	Ozone	Serious	50	-	-0.05	1.03	16.39
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.12	1.74
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.06	0.88
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.04	0.59
Warren County, PA	SO _x	Nonattainment	100	-	-0.04	-0.04	0.12
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.00	0.22	3.28
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	1.80	26.61

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Table B.1-260
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
DPM 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.14	6.44	95.34
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	6.29	93.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.27	3.93
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.06
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.06	0.93
Wayne County, MI	PM ₁₀	Maintenance	100	-	-25.75	-32.14	-41.31
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.14
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.13	1.94
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.13	1.94
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.45	6.68
Worcester, MA	CO	Maintenance	100	-	0.01	0.27	3.98
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.10	1.53
Yakima, WA	CO	Maintenance	100	-	0.00	0.05	0.76
York, PA	Ozone	Maintenance	100	-	0.01	0.51	7.55
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.39	5.84
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.01	0.59	8.71
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.23	3.47

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.03	0.10	0.50
Albuquerque, NM	CO	Maintenance	100	-	0.01	0.05	0.23
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.01	0.05	0.23
Altoona, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Anchorage, AK	CO	Maintenance	100	-	0.00	0.01	0.05
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Atlanta, GA	Ozone	Moderate	50	-	0.16	0.50	2.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.16	0.50	2.59
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Bakersfield, CA	CO	Maintenance	100	-	-0.03	-0.02	0.08
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.00
Baltimore, MD	Ozone	Moderate	50	-	0.07	0.23	1.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.07	0.23	1.16
Baton Rouge, LA	Ozone	Moderate	50	-	-0.82	-1.07	-1.61
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-2.93	-3.91	-6.48
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.00	0.01	0.07
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.00	0.01	0.06
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.03
Birmingham, AL	Ozone	Maintenance	100	-	0.03	0.08	0.40

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.41
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.01	0.02	0.13
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Boston, MA	CO	Maintenance	100	-	0.02	0.07	0.34
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.12	0.39	2.01
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.02	0.05	0.25
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	-0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.03	0.09	0.46
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.01	0.02	0.12
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.12
Case County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.02
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.00
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.02	0.11
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.11
Charlotte, NC	CO	Maintenance	100	-	0.02	0.06	0.28
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.04	0.12	0.64
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.22
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.01	0.04	0.20
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.14	0.50	2.70
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.15	0.52	2.79
Chico, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.05	0.15	0.77

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.75
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Clark County, NV	PM ₁₀	Serious	70	-	0.04	0.11	0.57
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.02	0.10
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Cleveland, OH	CO	Maintenance	100	-	0.02	0.07	0.38
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.06	0.20	1.02
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.06	0.18	0.95
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.01	0.05	0.24
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.00	0.02
Colorado Springs, CO	CO	Maintenance	100	-	0.01	0.04	0.23
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Columbia, SC	Ozone	Former Subpart 1	50	-	0.02	0.05	0.26
Columbus, OH	Ozone	Maintenance	100	-	0.04	0.13	0.65
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.60
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.02	0.07	0.38
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.02	0.06	0.31
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.17	0.52	2.67
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.02	0.06	0.33
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.30
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.07	0.22	1.15
Denver-Boulder, CO	CO	Maintenance	100	-	0.07	0.21	1.10
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.09	0.27	1.39
Detroit, MI	CO	Maintenance	100	-	0.04	0.12	0.64
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.11	0.35	1.82
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.11	0.35	1.79

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Duluth, MN	CO	Maintenance	100	-	0.00	0.01	0.03
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.02	0.08
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
El Paso, TX	CO	Maintenance	100	-	0.00	0.00	0.01
Erie, PA	Ozone	Maintenance	100	-	0.01	0.02	0.09
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.02	0.09
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.02	0.09
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.02	0.10
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.13
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.01
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Flint, MI	Ozone	Maintenance	100	-	0.01	0.04	0.21
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.00	0.01	0.07
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.01	0.03	0.14
Franklin County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Fredericksburg, VA	Ozone	Maintenance	100	-	0.01	0.03	0.16

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Fresno, CA	CO	Maintenance	100	-	0.01	0.04	0.23
Grand Rapids, MI	Ozone	Maintenance	100	-	0.02	0.06	0.32
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.01
Greater Connecticut, CT	Ozone	Moderate	50	-	0.04	0.13	0.65
Greeley, CO	CO	Maintenance	100	-	0.00	0.01	0.05
Green Bay, WI	SO _x	Maintenance	100	-	0.00	0.01	0.05
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.04	0.12	0.64
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.32
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.02	0.07	0.36
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.01
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.00	0.01	0.05
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.02	0.06	0.33
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.03	0.08	0.42
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.00
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.07
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.01	0.02	0.12
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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**Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-8.16	-10.70	-16.54
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.01	0.10
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.00	0.05
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.02	0.08
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.02	0.08
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.05	0.15	0.78
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.04	0.12	0.62
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.03
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.00	0.01	0.06
Jefferson County, NY	Ozone	Moderate	50	-	0.00	0.01	0.05
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.02	0.09
Johnstown, PA	Ozone	Maintenance	100	-	0.00	0.01	0.04
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.01	0.04	0.20
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.04	0.13	0.65
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.00	0.01	0.06
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.03
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.01
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.00
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.03	0.09	0.46
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.36
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.00	0.01
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.12
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.00	0.02
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.01
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.01	0.03	0.18
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.18
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.01	0.04	0.19
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.01	0.04
Las Vegas, NV	CO	Serious	100	-	0.04	0.11	0.57
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.04	0.11	0.58
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.00
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Lima, OH	Ozone	Maintenance	100	-	0.00	0.01	0.04
Longmont, CO	CO	Maintenance	100	-	0.00	0.01	0.03
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.32	1.09	5.81
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.32	1.09	5.81
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.32	1.09	5.81
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.32	1.09	5.81
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.32	1.09	5.81
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.02	0.05	0.27
Louisville, KY-IN	Ozone	Maintenance	100	-	0.03	0.09	0.45
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.03	0.08	0.43
Lowell, MA	CO	Maintenance	100	-	0.00	0.01	0.04
Lucas County, OH	SO _x	Maintenance	100	-	0.01	0.02	0.12
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Macon, GA	Ozone	Maintenance	100	-	0.01	0.02	0.08
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.08
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.02	0.09
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Manchester, NH	CO	Maintenance	100	-	0.00	0.01	0.03
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Marion County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.13
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.04
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.13
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.01
Medford, OR	CO	Maintenance	100	-	0.00	0.01	0.03
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Memphis, TN-AR	Ozone	Maintenance	100	-	0.02	0.07	0.38
Memphis, TN	CO	Maintenance	100	-	0.02	0.06	0.35
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Table B.1-261
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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.00
Milwaukee, WI	SO _x	Maintenance	100	-	0.01	0.04	0.21
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.04	0.14	0.70
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.07	0.03	0.81
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.07	0.21	1.09
Missoula, MT	CO	Maintenance	100	-	0.00	0.00	0.02
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Modesto, CA	CO	Maintenance	100	-	0.01	0.02	0.12
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muncie, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.01
Muskegon, MI	Ozone	Maintenance	100	-	0.00	0.01	0.05
Nashua, NH	CO	Maintenance	100	-	0.00	0.00	0.02
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.00	0.06	0.54
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.02	0.06	0.31
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.00
New York County, NY	PM ₁₀	Moderate	100	-	0.01	0.04	0.18
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.19	0.60	3.10
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.36	1.14	5.86
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.36	1.13	5.81
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02

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**Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021**

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.04	0.12	0.62
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.03
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.03
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.00
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.00	0.01	0.04
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.01	0.03	0.16
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-0.97	-1.10	-0.67
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-0.92	-0.95	0.14
Phoenix, AZ	CO	Maintenance	100	-	0.11	0.33	1.72
Phoenix, AZ	PM ₁₀	Serious	70	-	0.11	0.34	1.78
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.11	0.35	1.79
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.01
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.05	0.15	0.80
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.05	0.14	0.73
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.01	0.04	0.22

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.01	0.06	0.41
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Poughkeepsie, NY	Ozone	Moderate	50	-	0.03	0.10	0.52
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Providence (entire State), RI	Ozone	Moderate	50	-	0.02	0.07	0.38
Provo, UT	CO	Maintenance	100	-	0.00	0.01	0.06
Raleigh-Durham, NC	CO	Maintenance	100	-	0.03	0.10	0.50
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.04	0.13	0.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.01	0.03	0.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.13
Reno, NV	CO	Maintenance	100	-	0.01	0.02	0.10
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.03	0.09	0.48
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.01	0.05	0.24
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.10
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Rochester, NY	Ozone	Former Subpart 1	50	-	0.03	0.10	0.53
Rocky Mount, NC	Ozone	Maintenance	100	-	0.00	0.01	0.07
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.03	0.11	0.56
Sacramento Metro, CA	Ozone	Severe	25	-	0.06	0.19	1.00
Sacramento, CA	CO	Maintenance	100	-	0.04	0.12	0.62
Salem, OR	CO	Maintenance	100	-	0.00	0.01	0.05
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	0.01	0.07

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.02	0.07	0.39
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.02	0.08	0.40
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.04	0.14	0.72
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.01	0.03	0.16
San Diego, CA	CO	Maintenance	100	-	0.10	0.30	1.57
San Diego, CA	Ozone	Former Subpart 1	50	-	0.10	0.31	1.58
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-1.20	-1.33	-0.58
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-1.18	-1.27	-0.25
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.07	0.28	1.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.07	0.28	1.64
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.07	0.28	1.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.02	0.05	0.26
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.02	0.15	1.04
Sheboygan, WI	Ozone	Moderate	50	-	0.00	0.01	0.05
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.01	0.03	0.18
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.12
Spokane, WA	CO	Maintenance	100	-	0.01	0.02	0.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.02	0.07	0.35
Springfield, MA	CO	Maintenance	100	-	0.00	0.01	0.06
St. Louis, MO	CO	Maintenance	100	-	0.02	0.07	0.37
St. Louis, MO-IL	Ozone	Moderate	50	-	0.07	0.23	1.18
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.07	0.23	1.17

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.00	0.01	0.07
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.01	0.04
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.04
Stockton, CA	CO	Maintenance	100	-	0.01	0.03	0.17
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.01	0.04	0.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.00	0.01	0.05
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Toledo, OH	Ozone	Maintenance	100	-	0.01	0.04	0.22
Toms River, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Tooele County, UT	SO _x	Nonattainment	100	-	0.00	0.01	0.04
Trenton, NJ	CO	Maintenance	100	-	0.00	0.01	0.03
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.02	0.07	0.38
Utah County, UT	PM ₁₀	Moderate	100	-	0.01	0.04	0.19
Vancouver, WA	CO	Maintenance	100	-	0.01	0.02	0.12
Ventura County, CA	Ozone	Serious	50	-	0.02	0.06	0.32
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Vigo County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.00	0.02
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.02	0.08
Washington, DC-MD-VA	CO	Maintenance	100	-	0.04	0.12	0.61

Appendix B

Table B.1-261
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2021

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.13	0.40	2.08
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.13	0.40	2.04
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.02	0.10
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.03
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.03
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.00	0.01	0.06
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.06
Winston-Salem, NC	CO	Maintenance	100	-	0.01	0.03	0.16
Worcester, MA	CO	Maintenance	100	-	0.01	0.02	0.08
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Yakima, WA	CO	Maintenance	100	-	0.00	0.00	0.01
York, PA	Ozone	Maintenance	100	-	0.01	0.03	0.17
York, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.13
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.02	0.05	0.26
Yuma, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.01
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.07	0.26	1.78
Albuquerque, NM	CO	Maintenance	100	-	0.03	0.12	0.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.03	0.12	0.83
Altoona, PA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.23
Anchorage, AK	CO	Maintenance	100	-	0.01	0.03	0.20
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Atlanta, GA	Ozone	Moderate	50	-	0.34	1.34	9.32
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	0.34	1.34	9.33
Atlantic City, NJ	CO	Maintenance	100	-	0.00	0.01	0.07
Bakersfield, CA	CO	Maintenance	100	-	-0.05	-0.03	0.43
Baltimore, MD	CO	Maintenance	100	-	0.00	0.00	0.01
Baltimore, MD	Ozone	Moderate	50	-	0.15	0.60	4.16
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.15	0.60	4.16
Baton Rouge, LA	Ozone	Moderate	50	-	-1.67	-2.44	-3.03
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-5.98	-8.96	-13.54
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Benton Harbor, MI	Ozone	Maintenance	100	-	0.01	0.04	0.25
Benzie County, MI	Ozone	Maintenance	100	-	0.00	0.00	0.03
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.01	0.03	0.20
Billings, MT	CO	Maintenance	100	-	0.00	0.01	0.10
Birmingham, AL	Ozone	Maintenance	100	-	0.05	0.20	1.41

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.05	0.20	1.42
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.02	0.06	0.45
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.02	0.06	0.45
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Boston, MA	CO	Maintenance	100	-	0.04	0.17	1.19
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	0.26	1.02	7.11
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.03	0.13	0.90
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.00	-0.00	0.00
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.06	0.23	1.60
Burlington, NJ	CO	Maintenance	100	-	0.00	0.00	0.01
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Canon City, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.02	0.06	0.41
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.41
Case County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.06
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.01
Charleston, WV	Ozone	Maintenance	100	-	0.01	0.06	0.38
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.01	0.06	0.38
Charlotte, NC	CO	Maintenance	100	-	0.04	0.15	1.03
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.08	0.33	2.29
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.03	0.11	0.76
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.03	0.10	0.69
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	0.31	1.33	9.70
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	0.32	1.37	10.03
Chico, CA	CO	Maintenance	100	-	0.01	0.02	0.15
Chico, CA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.35
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.10	0.39	2.74

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.10	0.38	2.66
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Clark County, NV	PM ₁₀	Serious	70	-	0.08	0.30	2.09
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.01	0.05	0.36
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.01	0.04	0.25
Cleveland, OH	CO	Maintenance	100	-	0.05	0.19	1.30
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.13	0.51	3.58
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.12	0.47	3.30
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.03	0.13	0.89
Colbert County, AL	SO _x	Maintenance	100	-	0.00	0.01	0.08
Colorado Springs, CO	CO	Maintenance	100	-	0.03	0.12	0.82
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Columbia, SC	Ozone	Former Subpart 1	50	-	0.03	0.13	0.91
Columbus, OH	Ozone	Maintenance	100	-	0.09	0.34	2.34
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.08	0.31	2.17
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.00
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.05	0.19	1.30
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.04	0.15	1.06
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	0.36	1.39	9.71
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.04	0.17	1.16
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.04	0.15	1.03
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.15	0.60	4.15
Denver-Boulder, CO	CO	Maintenance	100	-	0.15	0.57	3.97
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.19	0.72	5.01
Detroit, MI	CO	Maintenance	100	-	0.08	0.32	2.21
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	0.24	0.92	6.44
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	0.23	0.91	6.32

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.00	0.01	0.05
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04
Duluth, MN	CO	Maintenance	100	-	0.00	0.02	0.11
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.00
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.01	0.04	0.28
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
El Paso County, TX	PM ₁₀	Moderate	100	-	0.02	0.10	0.68
El Paso, TX	CO	Maintenance	100	-	0.00	0.01	0.04
Erie, PA	Ozone	Maintenance	100	-	0.01	0.05	0.32
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Eugene-Springfield, OR	CO	Maintenance	100	-	0.01	0.05	0.32
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.01	0.04	0.31
Evansville, IN	Ozone	Maintenance	100	-	0.01	0.05	0.35
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.45
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.00	0.02
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.02	0.06	0.41
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Flint, MI	Ozone	Maintenance	100	-	0.03	0.10	0.72
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Fort Collins, CO	CO	Maintenance	100	-	0.01	0.04	0.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.02	0.07	0.51
Franklin County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.21
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.18
Fredericksburg, VA	Ozone	Maintenance	100	-	0.02	0.08	0.58

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
Fresno, CA	CO	Maintenance	100	-	0.03	0.12	0.82
Grand Rapids, MI	Ozone	Maintenance	100	-	0.04	0.16	1.13
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Great Falls, MT	CO	Maintenance	100	-	0.00	0.00	0.03
Greater Connecticut, CT	Ozone	Moderate	50	-	0.08	0.33	2.29
Greeley, CO	CO	Maintenance	100	-	0.01	0.02	0.17
Green Bay, WI	SO _x	Maintenance	100	-	0.01	0.02	0.17
Greene County, IN	Ozone	Maintenance	100	-	0.00	0.01	0.07
Greene County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.08	0.32	2.26
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.12
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.05	0.18	1.25
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.00	0.00	0.03
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.01	0.02	0.16
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.04	0.17	1.19
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.04	0.16	1.10
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.05	0.21	1.48
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.01
Hazelwood, PA	SO _x	Maintenance	100	-	0.00	0.01	0.06
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.25
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.02	0.06	0.41
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.00

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-16.63	-24.38	-31.95
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.00
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	-0.00	0.03	0.38
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.01	0.00	0.18
Huron County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Imperial County, CA	Ozone	Moderate	50	-	0.01	0.04	0.31
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.01	0.04	0.30
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.00
Indianapolis, IN	Ozone	Maintenance	100	-	0.10	0.40	2.79
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.32	2.21
Jackson County, IN	Ozone	Maintenance	100	-	0.00	0.02	0.11
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.01	0.03	0.22
Jefferson County, NY	Ozone	Moderate	50	-	0.01	0.02	0.17
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.01	0.04	0.30
Johnstown, PA	Ozone	Maintenance	100	-	0.01	0.02	0.14
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.15
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.03	0.10	0.70
Kalispell, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.09	0.33	2.32
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.01	0.03	0.20
Kent, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.03
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.00	0.02	0.12
Kewaunee County, WI	Ozone	Maintenance	100	-	0.00	0.00	0.03
King County, WA	PM ₁₀	Maintenance	100	-	-0.00	0.00	0.01
Klamath Falls, OR	CO	Maintenance	100	-	0.00	0.01	0.07

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.06	0.24	1.65
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.05	0.18	1.28
La Porte County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.05
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Lake County, IN	SO _x	Maintenance	100	-	0.02	0.06	0.42
Lake County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.05
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.04
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.00	0.01	0.09
Lake Tahoe, NV	CO	Maintenance	100	-	0.00	0.00	0.03
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lancaster, PA	Ozone	Maintenance	100	-	0.02	0.09	0.63
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.09	0.63
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.02	0.10	0.66
LaPorte, IN	Ozone	Maintenance	100	-	0.00	0.02	0.13
Las Vegas, NV	CO	Serious	100	-	0.08	0.30	2.09
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.08	0.30	2.12
Lauderdale County, AL	SO _x	Maintenance	100	-	0.00	0.02	0.12
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.00
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.01
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.02
Lima, OH	Ozone	Maintenance	100	-	0.01	0.02	0.15
Longmont, CO	CO	Maintenance	100	-	0.00	0.02	0.13
Lorain County, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	0.70	2.92	21.04
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	0.70	2.92	21.04
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	0.70	2.92	21.04
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	0.70	2.92	21.04
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	0.70	2.92	21.04
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.04	0.14	0.96
Louisville, KY-IN	Ozone	Maintenance	100	-	0.06	0.23	1.57
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.06	0.22	1.52
Lowell, MA	CO	Maintenance	100	-	0.01	0.02	0.16
Lucas County, OH	SO _x	Maintenance	100	-	0.02	0.06	0.41
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.00	0.01	0.09
Macon, GA	Ozone	Maintenance	100	-	0.01	0.04	0.29
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.04	0.29
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.00
Madison, WI	SO _x	Maintenance	100	-	0.01	0.05	0.34
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Manchester, NH	CO	Maintenance	100	-	0.00	0.02	0.11
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.01	0.02	0.14
Marion County, IN	SO _x	Maintenance	100	-	0.02	0.06	0.43
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.01	0.02	0.16
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.02	0.06	0.44
Mason County, MI	Ozone	Maintenance	100	-	0.00	0.01	0.04
Medford, OR	CO	Maintenance	100	-	0.00	0.02	0.11
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.26
Memphis, TN-AR	Ozone	Maintenance	100	-	0.04	0.18	1.35
Memphis, TN	CO	Maintenance	100	-	0.03	0.16	1.24
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.01
Milwaukee, WI	SO _x	Maintenance	100	-	0.03	0.11	0.73
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.09	0.36	2.48
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.14	0.15	3.34
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.14	0.56	3.90
Missoula, MT	CO	Maintenance	100	-	0.00	0.01	0.09
Missoula, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Modesto, CA	CO	Maintenance	100	-	0.02	0.06	0.43
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.00
Morristown, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.00	0.01	0.04
Muncie, IN	Ozone	Maintenance	100	-	0.01	0.02	0.16
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.01
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Muskegon, MI	Ozone	Maintenance	100	-	0.01	0.03	0.18
Nashua, NH	CO	Maintenance	100	-	0.00	0.01	0.09
Nashville, TN	Ozone	Former Subpart 1	50	-	-0.01	0.19	2.07
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.01	0.03	0.20
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.01	0.03	0.19
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.04	0.16	1.09
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.01
New York County, NY	PM ₁₀	Moderate	100	-	0.02	0.09	0.63
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	0.40	1.56	10.88
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	0.76	2.96	20.65
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	0.76	2.94	20.48
Nogales, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.06

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.08	0.31	2.19
Ogden, UT	CO	Maintenance	100	-	0.00	0.01	0.10
Ogden, UT	PM ₁₀	Moderate	100	-	0.00	0.01	0.10
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.15
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.01
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.20
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.20
Payson, AZ	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.01	0.02	0.14
Perth Amboy, NJ	CO	Maintenance	100	-	0.00	0.02	0.11
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.02	0.08	0.54
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-1.97	-2.43	1.00
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-1.86	-2.01	3.89
Phoenix, AZ	CO	Maintenance	100	-	0.24	0.94	6.56
Phoenix, AZ	PM ₁₀	Serious	70	-	0.25	0.97	6.75
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	0.25	0.97	6.78
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Pittsburgh, PA	CO	Maintenance	100	-	0.00	0.00	0.03
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.10	0.40	2.78
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.36	2.54
Polk County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Portland, ME	Ozone	Maintenance	100	-	0.03	0.11	0.78

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.02	0.17	1.52
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Poughkeepsie, NY	Ozone	Moderate	50	-	0.07	0.27	1.90
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Providence (entire State), RI	Ozone	Moderate	50	-	0.05	0.20	1.37
Provo, UT	CO	Maintenance	100	-	0.01	0.03	0.23
Raleigh-Durham, NC	CO	Maintenance	100	-	0.07	0.26	1.81
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.09	0.36	2.47
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Reading, PA	Ozone	Maintenance	100	-	0.02	0.07	0.46
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.46
Reno, NV	CO	Maintenance	100	-	0.01	0.05	0.34
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.06	0.24	1.70
Rillito, AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.07
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.03	0.13	0.89
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.01	0.05	0.36
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.00	0.02	0.11
Rochester, NY	Ozone	Former Subpart 1	50	-	0.07	0.27	1.86
Rocky Mount, NC	Ozone	Maintenance	100	-	0.01	0.04	0.26
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.01	0.02	0.17
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.00
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.08	0.30	2.08
Sacramento Metro, CA	Ozone	Severe	25	-	0.14	0.54	3.74
Sacramento, CA	CO	Maintenance	100	-	0.09	0.33	2.32
Salem, OR	CO	Maintenance	100	-	0.01	0.03	0.18
Salt Lake City, UT	CO	Maintenance	100	-	-0.00	0.02	0.26

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Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.04	0.18	1.40
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.05	0.21	1.43
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.10	0.37	2.58
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.02	0.09	0.60
San Diego, CA	CO	Maintenance	100	-	0.21	0.83	5.78
San Diego, CA	Ozone	Former Subpart 1	50	-	0.21	0.83	5.79
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-2.42	-2.87	2.44
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-2.38	-2.70	3.62
San Joaquin Valley, CA	Ozone	Extreme	10	-	0.16	0.79	6.15
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	0.16	0.79	6.17
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	0.16	0.79	6.15
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.05
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.03	0.13	0.93
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.04	0.43	3.90
Sheboygan, WI	Ozone	Moderate	50	-	0.01	0.02	0.17
Sheridan, WY	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.00	0.02
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.02	0.09	0.63
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.24
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.02	0.06	0.41
Spokane, WA	CO	Maintenance	100	-	0.02	0.06	0.41
Springfield (western MA), MA	Ozone	Moderate	50	-	0.05	0.18	1.24
Springfield, MA	CO	Maintenance	100	-	0.01	0.03	0.20
St. Louis, MO	CO	Maintenance	100	-	0.05	0.18	1.27
St. Louis, MO-IL	Ozone	Moderate	50	-	0.15	0.59	4.11
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.15	0.59	4.08

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.01	0.03	0.24
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.03
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.00	0.01	0.06
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.00	0.02	0.13
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.00	0.02	0.13
Stockton, CA	CO	Maintenance	100	-	0.02	0.09	0.65
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.03	0.10	0.71
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Terre Haute, IN	Ozone	Maintenance	100	-	0.01	0.03	0.18
Tioga County, PA	Ozone	Maintenance	100	-	0.00	0.01	0.08
Toledo, OH	Ozone	Maintenance	100	-	0.03	0.11	0.76
Toms River, NJ	CO	Maintenance	100	-	0.01	0.02	0.14
Tooele County, UT	SO _x	Nonattainment	100	-	0.01	0.02	0.14
Trenton, NJ	CO	Maintenance	100	-	0.00	0.02	0.12
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Tucson, AZ	CO	Maintenance	100	-	0.05	0.20	1.38
Utah County, UT	PM ₁₀	Moderate	100	-	0.02	0.10	0.67
Vancouver, WA	CO	Maintenance	100	-	0.02	0.06	0.43
Ventura County, CA	Ozone	Serious	50	-	0.04	0.17	1.17
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Vigo County, IN	SO _x	Maintenance	100	-	0.01	0.03	0.18
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.00	0.01	0.08
Warren County, NJ	SO _x	Maintenance	100	-	0.00	0.01	0.05
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.01	0.04	0.30
Washington, DC-MD-VA	CO	Maintenance	100	-	0.08	0.31	2.18

Appendix B

Table B.1-262
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2025

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	0.28	1.08	7.50
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	0.27	1.05	7.35
Washoe County, NV	PM ₁₀	Serious	70	-	0.01	0.05	0.34
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Wayne County, IN	SO _x	Maintenance	100	-	0.00	0.01	0.10
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.00	0.02
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.01	0.03	0.21
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.01	0.03	0.21
Winston-Salem, NC	CO	Maintenance	100	-	0.02	0.08	0.57
Worcester, MA	CO	Maintenance	100	-	0.01	0.04	0.30
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.00	0.02	0.13
Yakima, WA	CO	Maintenance	100	-	0.00	0.01	0.05
York, PA	Ozone	Maintenance	100	-	0.02	0.09	0.62
York, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.48
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.03	0.13	0.89
Yuma, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.26

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.33	0.99	8.39
Albuquerque, NM	CO	Maintenance	100	-	0.15	0.45	3.82
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.04	0.12	1.01
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.15	0.46	3.87
Altoona, PA	Ozone	Maintenance	100	-	0.02	0.07	0.62
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.05	0.16	1.32
Anchorage, AK	CO	Maintenance	100	-	0.04	0.12	0.99
Anthony, NM	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.00	0.03
Aspen, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Atlanta, GA	Ozone	Moderate	50	-	1.79	5.42	45.87
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	1.79	5.42	45.89
Atlantic City, NJ	CO	Maintenance	100	-	0.01	0.04	0.32
Bakersfield, CA	CO	Maintenance	100	-	-0.11	0.03	2.60
Baltimore, MD	CO	Maintenance	100	-	0.00	0.01	0.06
Baltimore, MD	Ozone	Moderate	50	-	0.78	2.37	20.08
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	0.78	2.37	20.08
Baton Rouge, LA	Ozone	Moderate	50	-	-4.82	-6.85	-5.70
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-17.43	-25.63	-33.86
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.04	0.13	1.07
Benzie County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.04	0.12	0.99
Billings, MT	CO	Maintenance	100	-	0.02	0.06	0.47
Birmingham, AL	Ozone	Maintenance	100	-	0.25	0.75	6.38

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Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.25	0.76	6.41
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.09	0.26	2.22
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.09	0.26	2.22
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Boston, MA	CO	Maintenance	100	-	0.21	0.65	5.47
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	1.30	3.95	33.43
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.17	0.52	4.37
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.01	-0.01	0.04
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.29	0.87	7.32
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.04
Butte, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.12
Canon City, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.07	0.22	1.82
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.07	0.22	1.82
Case County, MI	Ozone	Maintenance	100	-	0.01	0.03	0.28
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.00	0.04
Charleston, WV	Ozone	Maintenance	100	-	0.06	0.20	1.66
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.06	0.20	1.66
Charlotte, NC	CO	Maintenance	100	-	0.20	0.60	5.08
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	0.44	1.33	11.22
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.13	0.41	3.47
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.12	0.38	3.18
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	1.67	5.33	46.77
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	1.73	5.51	48.37
Chico, CA	CO	Maintenance	100	-	0.03	0.10	0.85
Chico, CA	Ozone	Former Subpart 1	50	-	0.07	0.22	1.87
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	0.50	1.52	12.88

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	0.48	1.47	12.48
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.08
Clark County, NV	PM ₁₀	Serious	70	-	0.42	1.29	10.88
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.07	0.21	1.76
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.04	0.13	1.14
Cleveland, OH	CO	Maintenance	100	-	0.22	0.65	5.52
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	0.63	1.92	16.24
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	0.58	1.76	14.91
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.19	0.57	4.83
Colbert County, AL	SO _x	Maintenance	100	-	0.01	0.04	0.35
Colorado Springs, CO	CO	Maintenance	100	-	0.16	0.49	4.14
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.04
Columbia, SC	Ozone	Former Subpart 1	50	-	0.17	0.50	4.25
Columbus, OH	Ozone	Maintenance	100	-	0.45	1.37	11.59
Columbus, OH	PM _{2.5}	Nonattainment	100	-	0.42	1.27	10.78
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.22	0.65	5.52
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.18	0.54	4.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	1.91	5.79	49.00
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.20	0.61	5.17
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.18	0.54	4.56
Denver Metro, CO	PM ₁₀	Maintenance	100	-	0.81	2.45	20.70
Denver-Boulder, CO	CO	Maintenance	100	-	0.77	2.34	19.79
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	0.97	2.95	24.97
Detroit, MI	CO	Maintenance	100	-	0.37	1.11	9.38
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	1.17	3.54	29.98
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	1.15	3.48	29.42

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Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.01	0.03	0.25
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.22
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.18
Duluth, MN	CO	Maintenance	100	-	0.02	0.06	0.50
Eagle River, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.05	0.15	1.27
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.13	0.38	3.25
El Paso, TX	CO	Maintenance	100	-	0.01	0.02	0.20
Erie, PA	Ozone	Maintenance	100	-	0.06	0.17	1.42
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.01
Eugene-Springfield, OR	CO	Maintenance	100	-	0.06	0.18	1.54
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.06	0.17	1.48
Evansville, IN	Ozone	Maintenance	100	-	0.06	0.19	1.62
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.08	0.24	2.07
Fairbanks, AK	CO	Maintenance	100	-	0.00	0.01	0.12
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.07	0.23	1.92
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.05
Flint, MI	Ozone	Maintenance	100	-	0.13	0.39	3.28
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.05	0.15	1.25
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Fort Wayne, IN	Ozone	Maintenance	100	-	0.09	0.28	2.38
Franklin County, PA	Ozone	Maintenance	100	-	0.04	0.12	1.01
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.00
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.03	0.10	0.85
Fredericksburg, VA	Ozone	Maintenance	100	-	0.12	0.35	2.98

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.00	0.02	0.13
Fresno, CA	CO	Maintenance	100	-	0.16	0.49	4.11
Grand Rapids, MI	Ozone	Maintenance	100	-	0.21	0.65	5.50
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.01	0.03	0.24
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.00
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.01	0.03	0.23
Great Falls, MT	CO	Maintenance	100	-	0.00	0.01	0.11
Greater Connecticut, CT	Ozone	Moderate	50	-	0.40	1.23	10.39
Greeley, CO	CO	Maintenance	100	-	0.03	0.10	0.84
Green Bay, WI	SO _x	Maintenance	100	-	0.03	0.10	0.81
Greene County, IN	Ozone	Maintenance	100	-	0.01	0.04	0.31
Greene County, PA	Ozone	Maintenance	100	-	0.01	0.03	0.28
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	0.41	1.23	10.40
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.20	0.60	5.09
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.22	0.66	5.62
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.01	0.02	0.14
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.03	0.09	0.75
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.22	0.68	5.76
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.21	0.63	5.31
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.26	0.78	6.64
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.00	0.01	0.07
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.28
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.00	0.03
Hazelwood, PA	SO _x	Maintenance	100	-	0.01	0.03	0.26
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.04	0.13	1.09
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.07	0.22	1.84
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.01

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Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-48.00	-68.69	-64.70
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.02
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.02	0.14	1.75
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.02	0.03	0.86
Huron County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.18
Imperial County, CA	Ozone	Moderate	50	-	0.06	0.19	1.58
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.06	0.18	1.54
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.01	0.02	0.21
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	0.52	1.59	13.44
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	0.42	1.26	10.68
Jackson County, IN	Ozone	Maintenance	100	-	0.02	0.06	0.50
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.04	0.12	0.98
Jefferson County, NY	Ozone	Moderate	50	-	0.03	0.09	0.79
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.05	0.16	1.35
Johnstown, PA	Ozone	Maintenance	100	-	0.02	0.07	0.56
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.62
Juneau, AK	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.12	0.38	3.20
Kalispell, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.21
Kansas City, MO-KS	Ozone	Maintenance	100	-	0.44	1.33	11.22
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.04	0.11	0.97
Kent, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.17
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.02	0.06	0.53
Kewaunee County, WI	Ozone	Maintenance	100	-	0.01	0.02	0.15
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Klamath Falls, OR	CO	Maintenance	100	-	0.01	0.04	0.31

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.01	0.04	0.31
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.32	0.98	8.25
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.25	0.74	6.30
La Porte County, IN	SO _x	Maintenance	100	-	0.01	0.02	0.21
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.10
Lake County, IN	SO _x	Maintenance	100	-	0.07	0.22	1.86
Lake County, OH	SO _x	Maintenance	100	-	0.01	0.03	0.22
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.00	0.04
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.01	0.03	0.24
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.02	0.06	0.52
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.02	0.13
Lamar, CO	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.12	0.35	2.97
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.12	0.35	2.97
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.12	0.36	3.08
LaPorte, IN	Ozone	Maintenance	100	-	0.02	0.07	0.58
Las Vegas, NV	CO	Serious	100	-	0.42	1.29	10.88
Las Vegas, NV	Ozone	Former Subpart 1	50	-	0.43	1.30	11.01
Lauderdale County, AL	SO _x	Maintenance	100	-	0.02	0.06	0.54
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.03
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.00	0.03
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.08
Lima, OH	Ozone	Maintenance	100	-	0.03	0.08	0.68
Longmont, CO	CO	Maintenance	100	-	0.03	0.08	0.65
Lorain County, OH	SO _x	Maintenance	100	-	0.01	0.04	0.30

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	3.82	11.98	103.95
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	3.82	11.98	103.95
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	3.82	11.98	103.95
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	3.82	11.98	103.95
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	3.82	11.98	103.94
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.19	0.56	4.78
Louisville, KY-IN	Ozone	Maintenance	100	-	0.28	0.84	7.14
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.27	0.81	6.85
Lowell, MA	CO	Maintenance	100	-	0.03	0.09	0.77
Lucas County, OH	SO _x	Maintenance	100	-	0.07	0.21	1.81
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.01	0.04	0.38
Macon, GA	Ozone	Maintenance	100	-	0.05	0.15	1.26
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.05	0.15	1.24
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.07	0.21	1.74
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.08
Manchester, NH	CO	Maintenance	100	-	0.02	0.05	0.46
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.02	0.07	0.63
Marion County, IN	SO _x	Maintenance	100	-	0.07	0.23	1.92
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.03	0.10	0.85
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.08	0.24	2.07
Mason County, MI	Ozone	Maintenance	100	-	0.01	0.02	0.17
Medford, OR	CO	Maintenance	100	-	0.02	0.07	0.56
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.05	0.16	1.35
Memphis, TN-AR	Ozone	Maintenance	100	-	0.20	0.67	6.05
Memphis, TN	CO	Maintenance	100	-	0.18	0.61	5.58
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.01	0.02	0.21

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.00	0.03
Milwaukee, WI	SO _x	Maintenance	100	-	0.13	0.39	3.27
Milwaukee-Racine, WI	Ozone	Moderate	50	-	0.45	1.38	11.67
Minneapolis-St Paul, MN	CO	Maintenance	100	-	-0.08	1.06	17.58
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	0.73	2.22	18.75
Missoula, MT	CO	Maintenance	100	-	0.02	0.05	0.41
Missoula, MT	PM ₁₀	Moderate	100	-	0.02	0.05	0.40
Modesto, CA	CO	Maintenance	100	-	0.09	0.27	2.28
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.03	0.09	0.77
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.02
Morristown, NJ	CO	Maintenance	100	-	0.01	0.03	0.24
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.01	0.02	0.18
Muncie, IN	Ozone	Maintenance	100	-	0.03	0.08	0.67
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.00	0.03
Muscatine County, IA	SO _x	Maintenance	100	-	0.00	0.01	0.10
Muskegon, MI	Ozone	Maintenance	100	-	0.03	0.10	0.85
Nashua, NH	CO	Maintenance	100	-	0.01	0.04	0.37
Nashville, TN	Ozone	Former Subpart 1	50	-	0.17	0.93	10.56
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.04	0.13	1.13
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.04	0.12	0.98
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.19	0.58	4.92
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.00	0.04
New York County, NY	PM ₁₀	Moderate	100	-	0.11	0.32	2.75
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	1.94	5.88	49.73
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	3.74	11.35	96.02
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	3.71	11.25	95.17
Nogales, AZ	PM ₁₀	Moderate	100	-	0.01	0.03	0.27

Appendix B

Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	0.39	1.19	10.09
Ogden, UT	CO	Maintenance	100	-	0.02	0.05	0.44
Ogden, UT	PM ₁₀	Moderate	100	-	0.02	0.05	0.44
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.13
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.03	0.09	0.76
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.00	0.03
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.04	0.11	0.90
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.04	0.11	0.91
Payson, AZ	PM ₁₀	Maintenance	100	-	0.01	0.02	0.13
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.02	0.07	0.61
Perth Amboy, NJ	CO	Maintenance	100	-	0.02	0.07	0.57
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.09	0.27	2.32
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-5.33	-6.16	14.93
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-4.80	-4.57	28.43
Phoenix, AZ	CO	Maintenance	100	-	1.43	4.36	36.84
Phoenix, AZ	PM ₁₀	Serious	70	-	1.47	4.47	37.85
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	1.48	4.49	37.96
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.07
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.01	0.02	0.17
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	0.49	1.48	12.49
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	0.44	1.35	11.41
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.02	0.13
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Portland, ME	Ozone	Maintenance	100	-	0.14	0.43	3.65

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Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.17	0.70	7.19
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.01	0.03	0.27
Poughkeepsie, NY	Ozone	Moderate	50	-	0.38	1.14	9.66
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Providence (entire State), RI	Ozone	Moderate	50	-	0.25	0.77	6.53
Provo, UT	CO	Maintenance	100	-	0.04	0.14	1.15
Raleigh-Durham, NC	CO	Maintenance	100	-	0.35	1.07	9.07
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	0.48	1.46	12.32
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Reading, PA	Ozone	Maintenance	100	-	0.08	0.25	2.13
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.08	0.25	2.13
Reno, NV	CO	Maintenance	100	-	0.06	0.19	1.59
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.31	0.93	7.90
Rillito, AZ	PM ₁₀	Moderate	100	-	0.01	0.04	0.36
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.19	0.57	4.83
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.06	0.19	1.64
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.02	0.06	0.54
Rochester, NY	Ozone	Former Subpart 1	50	-	0.33	1.01	8.59
Rocky Mount, NC	Ozone	Maintenance	100	-	0.05	0.14	1.16
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.03	0.09	0.76
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	0.43	1.31	11.04
Sacramento Metro, CA	Ozone	Severe	25	-	0.79	2.39	20.26
Sacramento, CA	CO	Maintenance	100	-	0.48	1.47	12.41
Salem, OR	CO	Maintenance	100	-	0.03	0.10	0.83
Salt Lake City, UT	CO	Maintenance	100	-	0.01	0.10	1.33

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Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.22	0.75	6.77
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.27	0.81	6.86
San Antonio, TX	Ozone	Former Subpart 1	50	-	0.49	1.48	12.56
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.12	0.35	2.97
San Diego, CA	CO	Maintenance	100	-	1.17	3.55	30.02
San Diego, CA	Ozone	Former Subpart 1	50	-	1.17	3.56	30.07
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-6.32	-6.65	27.74
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-6.10	-5.98	33.39
San Joaquin Valley, CA	Ozone	Extreme	10	-	1.07	3.60	32.79
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	1.07	3.61	32.90
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	1.07	3.60	32.79
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.01	0.03	0.24
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.17	0.51	4.29
Seattle-Tacoma, WA	CO	Maintenance	100	-	0.47	1.93	19.66
Sheboygan, WI	Ozone	Moderate	50	-	0.03	0.09	0.79
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.00	0.01	0.12
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.11	0.34	2.90
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.04	0.11	0.96
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.08	0.24	2.01
Spokane, WA	CO	Maintenance	100	-	0.08	0.23	1.99
Springfield (western MA), MA	Ozone	Moderate	50	-	0.22	0.68	5.73
Springfield, MA	CO	Maintenance	100	-	0.04	0.11	0.96
St. Louis, MO	CO	Maintenance	100	-	0.21	0.62	5.27
St. Louis, MO-IL	Ozone	Moderate	50	-	0.72	2.17	18.38
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	0.71	2.16	18.26

Appendix B

Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.05	0.14	1.16
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.01	0.02	0.14
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.01	0.03	0.25
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.02	0.07	0.57
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.02	0.07	0.57
Stockton, CA	CO	Maintenance	100	-	0.13	0.41	3.44
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.12	0.38	3.20
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Terre Haute, IN	Ozone	Maintenance	100	-	0.03	0.09	0.77
Tioga County, PA	Ozone	Maintenance	100	-	0.01	0.04	0.34
Toledo, OH	Ozone	Maintenance	100	-	0.13	0.40	3.40
Toms River, NJ	CO	Maintenance	100	-	0.03	0.08	0.71
Tooele County, UT	SO _x	Nonattainment	100	-	0.03	0.08	0.67
Trenton, NJ	CO	Maintenance	100	-	0.02	0.07	0.58
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Tucson, AZ	CO	Maintenance	100	-	0.27	0.81	6.87
Utah County, UT	PM ₁₀	Moderate	100	-	0.13	0.40	3.35
Vancouver, WA	CO	Maintenance	100	-	0.09	0.26	2.23
Ventura County, CA	Ozone	Serious	50	-	0.24	0.72	6.12
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.04
Vigo County, IN	SO _x	Maintenance	100	-	0.03	0.09	0.77
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.01	0.04	0.36
Warren County, NJ	SO _x	Maintenance	100	-	0.01	0.03	0.24
Warren County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.08
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.05	0.16	1.35
Washington, DC-MD-VA	CO	Maintenance	100	-	0.40	1.22	10.32

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Table B.1-263
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2040

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	1.44	4.37	36.95
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	1.41	4.27	36.13
Washoe County, NV	PM ₁₀	Serious	70	-	0.06	0.19	1.59
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.03
Wayne County, IN	SO _x	Maintenance	100	-	0.02	0.05	0.42
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.02	0.06	0.54
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Weirton, WV	SO _x	Maintenance	100	-	0.00	0.01	0.07
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.03	0.10	0.87
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.03	0.10	0.87
Winston-Salem, NC	CO	Maintenance	100	-	0.10	0.32	2.69
Worcester, MA	CO	Maintenance	100	-	0.06	0.18	1.51
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.02	0.07	0.62
Yakima, WA	CO	Maintenance	100	-	0.01	0.03	0.28
York, PA	Ozone	Maintenance	100	-	0.12	0.35	2.98
York, PA	PM _{2.5}	Nonattainment	100	-	0.09	0.27	2.31
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.15	0.45	3.81
Yuma, AZ	PM ₁₀	Moderate	100	-	0.05	0.16	1.31

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.

Appendix B

Table B.1-264
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Addison Township (Gallia County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.02
Ajo (Pima County), AZ	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Ajo (Pima County), AZ	SO _x	Maintenance	100	-	0.00	0.01	0.04
Albany-Schenectady-Troy, NY	Ozone	Former Subpart 1	50	-	0.92	1.91	12.82
Albuquerque, NM	CO	Maintenance	100	-	0.42	0.86	5.77
Allegan County, MI	Ozone	Former Subpart 1	50	-	0.12	0.24	1.63
Allentown-Bethlehem-Easton, PA	Ozone	Maintenance	100	-	0.42	0.88	5.89
Altoona, PA	Ozone	Maintenance	100	-	0.06	0.13	0.87
Amador and Calaveras Counties (Central Mountain), CA	Ozone	Former Subpart 1	50	-	0.17	0.35	2.32
Anchorage, AK	CO	Maintenance	100	-	0.11	0.23	1.56
Anthony, NM	PM ₁₀	Moderate	100	-	0.01	0.01	0.07
Armstrong County, PA	SO _x	Nonattainment	100	-	0.00	0.01	0.05
Aspen, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
Atlanta, GA	Ozone	Moderate	50	-	5.23	10.83	72.59
Atlanta, GA	PM _{2.5}	Nonattainment	100	-	5.24	10.83	72.61
Atlantic City, NJ	CO	Maintenance	100	-	0.03	0.07	0.47
Bakersfield, CA	CO	Maintenance	100	-	-0.08	0.19	4.19
Baltimore, MD	CO	Maintenance	100	-	0.01	0.01	0.09
Baltimore, MD	Ozone	Moderate	50	-	2.26	4.67	31.28
Baltimore, MD	PM _{2.5}	Nonattainment	100	-	2.26	4.67	31.28
Baton Rouge, LA	Ozone	Moderate	50	-	-8.93	-10.74	-8.21
Beaumont-Port Arthur, TX	Ozone	Moderate	50	-	-32.84	-40.83	-50.10
Benton County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.01
Benton Harbor, MI	Ozone	Maintenance	100	-	0.11	0.22	1.48
Benzie County, MI	Ozone	Maintenance	100	-	0.02	0.04	0.28
Berkeley and Jefferson Counties, WV	Ozone	Maintenance	100	-	0.11	0.23	1.55
Billings, MT	CO	Maintenance	100	-	0.05	0.11	0.71
Birmingham, AL	Ozone	Maintenance	100	-	0.68	1.40	9.40

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Table B.1-264
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Birmingham, AL	PM _{2.5}	Nonattainment	100	-	0.68	1.41	9.44
Boise-Northern Ada County, ID	CO	Maintenance	100	-	0.25	0.52	3.49
Boise-Northern Ada County, ID	PM ₁₀	Maintenance	100	-	0.25	0.52	3.49
Bonner County (Sandpoint), ID	PM ₁₀	Moderate	100	-	0.01	0.03	0.20
Boston, MA	CO	Maintenance	100	-	0.59	1.23	8.22
Boston-Lawrence-Worcester (eastern MA), MA	Ozone	Moderate	50	-	3.68	7.61	50.99
Boston-Manchester-Portsmouth (southeast NH), NH	Ozone	Moderate	50	-	0.49	1.02	6.81
Boyd County (part), KY	SO _x	Maintenance	100	-	-0.02	-0.02	0.05
Buffalo-Niagara Falls, NY	Ozone	Former Subpart 1	50	-	0.78	1.62	10.87
Burlington, NJ	CO	Maintenance	100	-	0.00	0.01	0.05
Butte, MT	PM ₁₀	Moderate	100	-	0.01	0.02	0.16
Canon City, CO	PM ₁₀	Maintenance	100	-	0.02	0.03	0.23
Canton-Massillon, OH	Ozone	Maintenance	100	-	0.19	0.39	2.64
Canton-Massillon, OH	PM _{2.5}	Nonattainment	100	-	0.19	0.39	2.64
Case County, MI	Ozone	Maintenance	100	-	0.03	0.06	0.41
Center Township (Morgan County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Central Steptoe Valley (White Pine County), NV	SO _x	Maintenance	100	-	0.00	0.01	0.05
Charleston, WV	Ozone	Maintenance	100	-	0.17	0.35	2.32
Charleston, WV	PM _{2.5}	Nonattainment	100	-	0.17	0.35	2.32
Charlotte, NC	CO	Maintenance	100	-	0.58	1.21	8.09
Charlotte-Gastonia-Rock Hill, NC-SC	Ozone	Moderate	50	-	1.27	2.64	17.68
Chattanooga, TN-GA-AL	PM _{2.5}	Nonattainment	100	-	0.37	0.77	5.14
Chattanooga, TN-GA	Ozone	Former Subpart 1	50	-	0.34	0.71	4.77
Chicago-Gary-Lake County, IL-IN	Ozone	Moderate	50	-	4.95	10.50	72.50
Chicago-Gary-Lake County, IL-IN	PM _{2.5}	Nonattainment	100	-	5.13	10.87	74.96
Chico, CA	CO	Maintenance	100	-	0.11	0.22	1.50
Chico, CA	Ozone	Former Subpart 1	50	-	0.23	0.47	3.14
Cincinnati-Hamilton, OH-KY-IN	Ozone	Former Subpart 1	50	-	1.41	2.92	19.61

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Table B.1-264
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Cincinnati-Hamilton, OH-KY-IN	PM _{2.5}	Nonattainment	100	-	1.36	2.82	18.98
Clairton & 4 Boroughs, PA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.10
Clark County, NV	PM ₁₀	Serious	70	-	1.30	2.68	17.96
Clarksville-Hopkinsville, TN-KY	Ozone	Maintenance	100	-	0.20	0.41	2.78
Clearfield and Indiana Counties, PA	Ozone	Maintenance	100	-	0.12	0.25	1.69
Cleveland, OH	CO	Maintenance	100	-	0.55	1.14	7.64
Cleveland-Akron-Lorain, OH	Ozone	Maintenance	100	-	1.73	3.58	23.97
Cleveland-Akron-Lorain, OH	PM _{2.5}	Nonattainment	100	-	1.58	3.27	21.92
Coachella Valley, CA	PM ₁₀	Serious	70	-	0.59	1.23	8.22
Colbert County, AL	SO _x	Maintenance	100	-	0.03	0.07	0.48
Colorado Springs, CO	CO	Maintenance	100	-	0.48	1.00	6.68
Columbia Falls, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.06
Columbia, SC	Ozone	Former Subpart 1	50	-	0.47	0.97	6.51
Columbus, OH	Ozone	Maintenance	100	-	1.33	2.75	18.44
Columbus, OH	PM _{2.5}	Nonattainment	100	-	1.24	2.56	17.18
Conewango Township (Warren County), PA	SO _x	Maintenance	100	-	0.00	0.00	0.02
Coso Junction, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Cuyahoga County, OH	PM ₁₀	Maintenance	100	-	0.55	1.14	7.64
Cuyahoga County, OH	SO _x	Maintenance	100	-	0.47	0.98	6.59
Dallas-Fort Worth, TX	Ozone	Moderate	50	-	5.70	11.80	79.10
Dayton-Springfield, OH	Ozone	Maintenance	100	-	0.54	1.12	7.50
Dayton-Springfield, OH	PM _{2.5}	Nonattainment	100	-	0.48	0.98	6.59
Denver Metro, CO	PM ₁₀	Maintenance	100	-	2.39	4.94	33.08
Denver-Boulder, CO	CO	Maintenance	100	-	2.28	4.72	31.62
Denver-Boulder-Greeley-Fort Collins-Loveland, CO	Ozone	Former Subpart 1	50	-	2.88	5.96	39.94
Detroit, MI	CO	Maintenance	100	-	0.86	1.78	11.91
Detroit-Ann Arbor, MI	Ozone	Maintenance	100	-	3.27	6.76	45.34
Detroit-Ann Arbor, MI	PM _{2.5}	Nonattainment	100	-	3.21	6.64	44.49

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Table B.1-264
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Door County, WI	Ozone	Former Subpart 1	50	-	0.03	0.06	0.39
Douglas (Cochise County), AZ	PM ₁₀	Moderate	100	-	0.02	0.05	0.33
Douglas (Cochise County), AZ	SO _x	Maintenance	100	-	0.02	0.04	0.27
Duluth, MN	CO	Maintenance	100	-	0.05	0.11	0.71
Eagle River, AK	PM ₁₀	Moderate	100	-	0.01	0.01	0.10
East Chicago, IN	CO	Maintenance	100	-	0.00	0.00	0.01
East Chicago, IN	PM ₁₀	Maintenance	100	-	0.13	0.28	1.86
East Helena Area (Lewis and Clark County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.01
El Paso County, TX	PM ₁₀	Moderate	100	-	0.36	0.75	5.04
El Paso, TX	CO	Maintenance	100	-	0.02	0.04	0.30
Erie, PA	Ozone	Maintenance	100	-	0.15	0.31	2.06
Essex County (Whiteface Mountain), NY	Ozone	Former Subpart 1	50	-	0.00	0.00	0.02
Eugene-Springfield, OR	CO	Maintenance	100	-	0.17	0.36	2.40
Eugene-Springfield, OR	PM ₁₀	Moderate	100	-	0.17	0.34	2.31
Evansville, IN	Ozone	Maintenance	100	-	0.17	0.36	2.43
Evansville, IN	PM _{2.5}	Nonattainment	100	-	0.22	0.46	3.06
Fairbanks, AK	CO	Maintenance	100	-	0.01	0.03	0.20
Fayetteville, NC	Ozone	Former Subpart 1	50	-	0.21	0.43	2.90
Flathead County; Whitefish and vicinity, MT	PM ₁₀	Moderate	100	-	0.01	0.01	0.08
Flint, MI	Ozone	Maintenance	100	-	0.35	0.72	4.84
Follansbee, WV	PM ₁₀	Maintenance	100	-	0.00	0.00	0.01
Fort Collins, CO	CO	Maintenance	100	-	0.15	0.30	2.04
Fort Hall Reservation, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Fort Wayne, IN	Ozone	Maintenance	100	-	0.26	0.54	3.61
Franklin County, PA	Ozone	Maintenance	100	-	0.11	0.23	1.57
Franklin Township (Coshocton County), OH	SO _x	Maintenance	100	-	0.00	0.00	0.01
Frederick County, VA	Ozone	Former Subpart 1	50	-	0.09	0.19	1.30
Fredericksburg, VA	Ozone	Maintenance	100	-	0.35	0.73	4.88

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Freehold, NJ	CO	Maintenance	100	-	0.02	0.03	0.23
Fresno, CA	CO	Maintenance	100	-	0.47	0.98	6.54
Grand Rapids, MI	Ozone	Maintenance	100	-	0.62	1.29	8.63
Granite City, Nameoki Townships, IL	PM ₁₀	Maintenance	100	-	0.02	0.05	0.33
Grant County, NM	SO _x	Maintenance	100	-	0.00	0.00	0.02
Grants Pass, OR	CO	Maintenance	100	-	0.00	0.00	0.01
Grants Pass, OR	PM ₁₀	Maintenance	100	-	0.03	0.06	0.38
Great Falls, MT	CO	Maintenance	100	-	0.01	0.02	0.15
Greater Connecticut, CT	Ozone	Moderate	50	-	1.11	2.29	15.36
Greeley, CO	CO	Maintenance	100	-	0.10	0.20	1.33
Green Bay, WI	SO _x	Maintenance	100	-	0.09	0.18	1.24
Greene County, IN	Ozone	Maintenance	100	-	0.03	0.07	0.48
Greene County, PA	Ozone	Maintenance	100	-	0.03	0.06	0.42
Greensboro-Winston Salem-High Point, NC	Ozone	Marginal	50	-	1.12	2.32	15.57
Greensboro-Winston Salem-High Point, NC	PM _{2.5}	Nonattainment	100	-	0.55	1.13	7.56
Greenville-Spartanburg-Anderson, SC	Ozone	Former Subpart 1	50	-	0.59	1.23	8.24
Groveland Township (Tazewell County), IL	SO _x	Maintenance	100	-	0.02	0.03	0.22
Hancock-Knox-Lincoln-Waldo Counties, ME	Ozone	Maintenance	100	-	0.08	0.17	1.14
Harrisburg-Lebanon-Carlisle, PA	Ozone	Maintenance	100	-	0.65	1.34	9.00
Harrisburg-Lebanon-Carlisle, PA	PM _{2.5}	Nonattainment	100	-	0.60	1.24	8.29
Hartford-New Britain-Middletown, CT	CO	Maintenance	100	-	0.70	1.44	9.68
Hayden (Pinal County), AZ	SO _x	Nonattainment	100	-	0.01	0.02	0.12
Hayden/Miami, AZ	PM ₁₀	Moderate	100	-	0.03	0.07	0.46
Haywood and Swain Counties (Great Smoky Mountain NP), NC	Ozone	Maintenance	100	-	0.00	0.01	0.05
Hazelwood, PA	SO _x	Maintenance	100	-	0.03	0.06	0.39
Hickory, NC	PM _{2.5}	Nonattainment	100	-	0.11	0.24	1.58
Hickory-Morgantown-Lenoir, NC	Ozone	Former Subpart 1	50	-	0.19	0.40	2.70
Hollis Township, IL	SO _x	Maintenance	100	-	0.00	0.00	0.02

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Houston-Galveston-Brazoria, TX	Ozone	Severe	25	-	-84.29	-101.86	-84.61
Humphreys County, TN	SO _x	Maintenance	100	-	0.00	0.00	0.03
Huntington-Ashland, WV-KY-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.27	2.51
Huntington-Ashland, WV-KY	Ozone	Maintenance	100	-	-0.00	0.07	1.18
Huron County, MI	Ozone	Maintenance	100	-	0.02	0.04	0.26
Imperial County, CA	Ozone	Moderate	50	-	0.19	0.39	2.59
Imperial Valley, CA	PM ₁₀	Serious	70	-	0.18	0.38	2.53
Indian Wells, CA	PM ₁₀	Maintenance	100	-	0.02	0.05	0.30
Indianapolis, IN	CO	Maintenance	100	-	0.00	0.00	0.01
Indianapolis, IN	Ozone	Maintenance	100	-	1.51	3.12	20.93
Indianapolis, IN	PM _{2.5}	Nonattainment	100	-	1.20	2.49	16.66
Jackson County, IN	Ozone	Maintenance	100	-	0.05	0.11	0.74
Jamestown, NY	Ozone	Former Subpart 1	50	-	0.11	0.22	1.46
Jefferson County, NY	Ozone	Moderate	50	-	0.09	0.18	1.19
Jefferson County, OH	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Johnson City-Kingsport-Bristol, TN	Ozone	Former Subpart 1	50	-	0.14	0.30	1.98
Johnstown, PA	Ozone	Maintenance	100	-	0.05	0.11	0.72
Johnstown, PA	PM _{2.5}	Nonattainment	100	-	0.06	0.12	0.80
Juneau, AK	PM ₁₀	Moderate	100	-	0.01	0.02	0.14
Kalamazoo-Battle Creek, MI	Ozone	Maintenance	100	-	0.34	0.71	4.75
Kalispell, MT	PM ₁₀	Moderate	100	-	0.02	0.05	0.34
Kansas City, MO-KS	Ozone	Maintenance	100	-	1.26	2.61	17.51
Kent and Queen Annes Counties, MD	Ozone	Maintenance	100	-	0.11	0.23	1.52
Kent, WA	PM ₁₀	Maintenance	100	-	0.01	0.03	0.28
Kern County (Eastern Kern), CA	Ozone	Former Subpart 1	50	-	0.06	0.12	0.79
Kewaunee County, WI	Ozone	Maintenance	100	-	0.02	0.03	0.23
King County, WA	PM ₁₀	Maintenance	100	-	0.00	0.01	0.11
Klamath Falls, OR	CO	Maintenance	100	-	0.03	0.07	0.45

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Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Klamath Falls, OR	PM ₁₀	Maintenance	100	-	0.03	0.07	0.45
Knoxville, TN	Ozone	Former Subpart 1	50	-	0.95	1.97	13.21
Knoxville, TN	PM _{2.5}	Nonattainment	100	-	0.72	1.49	9.96
La Porte County, IN	SO _x	Maintenance	100	-	0.02	0.04	0.30
LaGrande, OR	PM ₁₀	Maintenance	100	-	0.01	0.02	0.15
Lake County, IN	SO _x	Maintenance	100	-	0.19	0.40	2.67
Lake County, OH	SO _x	Maintenance	100	-	0.02	0.05	0.33
Lake County, OR	PM ₁₀	Maintenance	100	-	0.00	0.01	0.05
Lake Tahoe North Shore, CA	CO	Maintenance	100	-	0.03	0.06	0.42
Lake Tahoe South Shore, CA	CO	Maintenance	100	-	0.07	0.14	0.95
Lake Tahoe, NV	CO	Maintenance	100	-	0.01	0.03	0.19
Lamar, CO	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
Lame Deer, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lancaster, PA	Ozone	Maintenance	100	-	0.33	0.68	4.56
Lancaster, PA	PM _{2.5}	Nonattainment	100	-	0.33	0.68	4.56
Lane County, OR	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Lansing-East Lansing, MI	Ozone	Maintenance	100	-	0.34	0.69	4.66
LaPorte, IN	Ozone	Maintenance	100	-	0.06	0.12	0.82
Las Vegas, NV	CO	Serious	100	-	1.30	2.68	17.96
Las Vegas, NV	Ozone	Former Subpart 1	50	-	1.31	2.71	18.15
Lauderdale County, AL	SO _x	Maintenance	100	-	0.06	0.12	0.78
Laurel Area (Yellowstone County), MT	SO _x	Nonattainment	100	-	0.00	0.00	0.02
Libby, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Libby, MT	PM _{2.5}	Nonattainment	100	-	0.00	0.01	0.05
Liberty-Clairton, PA	PM _{2.5}	Nonattainment	100	-	0.01	0.01	0.10
Lima, OH	Ozone	Maintenance	100	-	0.07	0.15	0.99
Longmont, CO	CO	Maintenance	100	-	0.08	0.16	1.08
Lorain County, OH	SO _x	Maintenance	100	-	0.03	0.07	0.45

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Los Angeles South Coast Air Basin, CA	CO	Maintenance	100	-	11.44	24.06	164.47
Los Angeles South Coast Air Basin, CA	NO _x	Maintenance	100	-	11.44	24.06	164.47
Los Angeles South Coast Air Basin, CA	Ozone	Extreme	10	-	11.44	24.06	164.47
Los Angeles South Coast Air Basin, CA	PM ₁₀	Serious	70	-	11.44	24.06	164.47
Los Angeles South Coast Air Basin, CA	PM _{2.5}	Nonattainment	100	-	11.44	24.06	164.46
Los Angeles-San Bernardino Counties (western Mohave), CA	Ozone	Moderate	50	-	0.55	1.14	7.62
Louisville, KY-IN	Ozone	Maintenance	100	-	0.76	1.58	10.58
Louisville, KY-IN	PM _{2.5}	Nonattainment	100	-	0.73	1.50	10.06
Lowell, MA	CO	Maintenance	100	-	0.09	0.18	1.22
Lucas County, OH	SO _x	Maintenance	100	-	0.19	0.39	2.58
Lyons Township, IL	PM ₁₀	Maintenance	100	-	0.04	0.08	0.54
Macon, GA	Ozone	Maintenance	100	-	0.13	0.26	1.77
Macon, GA	PM _{2.5}	Nonattainment	100	-	0.13	0.26	1.75
Madison and Page Counties (Shenandoah NP), VA	Ozone	Maintenance	100	-	0.00	0.00	0.02
Madison, WI	SO _x	Maintenance	100	-	0.20	0.42	2.84
Mammoth Lake, CA	PM ₁₀	Moderate	100	-	0.01	0.02	0.15
Manchester, NH	CO	Maintenance	100	-	0.05	0.09	0.63
Manitowoc County, WI	Ozone	Former Subpart 1	50	-	0.07	0.14	0.92
Marion County, IN	SO _x	Maintenance	100	-	0.20	0.41	2.76
Mariposa and Tuolumne Counties (Southern Mountain), CA	Ozone	Former Subpart 1	50	-	0.10	0.22	1.44
Martinsburg, WV-Hagerstown, MD	PM _{2.5}	Nonattainment	100	-	0.23	0.47	3.14
Mason County, MI	Ozone	Maintenance	100	-	0.02	0.04	0.27
Medford, OR	CO	Maintenance	100	-	0.07	0.14	0.93
Medford-Ashland, OR	PM ₁₀	Maintenance	100	-	0.16	0.34	2.25
Memphis, TN-AR	Ozone	Maintenance	100	-	0.56	1.22	8.72
Memphis, TN	CO	Maintenance	100	-	0.52	1.13	8.08
Miami (Gila County), AZ	SO _x	Maintenance	100	-	0.02	0.05	0.34

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Millinocket AQCR 109, ME	SO _x	Maintenance	100	-	0.00	0.01	0.04
Milwaukee, WI	SO _x	Maintenance	100	-	0.34	0.71	4.78
Milwaukee-Racine, WI	Ozone	Moderate	50	-	1.29	2.66	17.83
Minneapolis-St Paul, MN	CO	Maintenance	100	-	0.60	2.52	27.48
Minneapolis-St Paul, MN	SO _x	Maintenance	100	-	2.10	4.35	29.14
Missoula, MT	CO	Maintenance	100	-	0.05	0.09	0.63
Missoula, MT	PM ₁₀	Moderate	100	-	0.04	0.09	0.61
Modesto, CA	CO	Maintenance	100	-	0.27	0.56	3.77
Mohave County, AZ	PM ₁₀	Maintenance	100	-	0.09	0.19	1.31
Mono Basin, CA	PM ₁₀	Moderate	100	-	0.00	0.00	0.02
Morenci (Greenlee County), AZ	SO _x	Maintenance	100	-	0.00	0.00	0.03
Morristown, NJ	CO	Maintenance	100	-	0.03	0.06	0.40
Muhlenberg County, KY	SO _x	Maintenance	100	-	0.02	0.04	0.25
Muncie, IN	Ozone	Maintenance	100	-	0.07	0.14	0.92
Murray County (Chattahoochee NF), GA	Ozone	Maintenance	100	-	0.00	0.01	0.06
Muscatine County, IA	SO _x	Maintenance	100	-	0.01	0.02	0.15
Muskegon, MI	Ozone	Maintenance	100	-	0.09	0.19	1.29
Nashua, NH	CO	Maintenance	100	-	0.04	0.08	0.52
Nashville, TN	Ozone	Former Subpart 1	50	-	0.79	2.01	16.67
Nevada County (western part), CA	Ozone	Former Subpart 1	50	-	0.14	0.30	1.99
New Haven County, CT	PM ₁₀	Maintenance	100	-	0.12	0.24	1.61
New Haven-Meriden-Waterbury, CT	CO	Maintenance	100	-	0.52	1.08	7.22
New Manchester-Grant Magisterial District (Hancock County), WV	SO _x	Maintenance	100	-	0.00	0.01	0.05
New York County, NY	PM ₁₀	Moderate	100	-	0.28	0.58	3.89
New York-N. New Jersey-Long Island, NY-NJ-CT	CO	Maintenance	100	-	5.34	11.04	74.00
New York-N. New Jersey-Long Island, NY-NJ-CT	PM _{2.5}	Nonattainment	100	-	10.45	21.62	144.94
New York-N. New Jersey-Long Island, NY-NJ-CT	Ozone	Moderate	50	-	10.36	21.43	143.60
Nogales, AZ	PM ₁₀	Moderate	100	-	0.03	0.06	0.43

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Norfolk-Virginia Beach-Newport News, VA	Ozone	Maintenance	100	-	1.09	2.26	15.14
Ogden, UT	CO	Maintenance	100	-	0.05	0.10	0.65
Ogden, UT	PM ₁₀	Moderate	100	-	0.05	0.10	0.65
Oglesby, IL	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Olmsted County, MN	PM ₁₀	Maintenance	100	-	0.01	0.03	0.17
Olympia, Tumwater, Lacey, WA	PM ₁₀	Maintenance	100	-	0.09	0.18	1.22
Owens Valley, CA	PM ₁₀	Serious	70	-	0.00	0.01	0.06
Pagosa Springs, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Parkersburg-Marietta, WV-OH	Ozone	Maintenance	100	-	0.09	0.20	1.31
Parkersburg-Marietta, WV-OH	PM _{2.5}	Nonattainment	100	-	0.10	0.20	1.32
Payson, AZ	PM ₁₀	Maintenance	100	-	0.02	0.03	0.21
Penns Grove, NJ	CO	Maintenance	100	-	0.00	0.00	0.00
Peoria, IL	SO _x	Maintenance	100	-	0.06	0.13	0.88
Perth Amboy, NJ	CO	Maintenance	100	-	0.07	0.15	0.99
Philadelphia-Camden County, PA-NJ	CO	Maintenance	100	-	0.23	0.48	3.24
Philadelphia-Wilmington, PA-NY-DE	PM _{2.5}	Nonattainment	100	-	-9.10	-8.89	22.39
Philadelphia-Wilmington-Atlantic City, PA-NY-MD-DE	Ozone	Moderate	50	-	-7.62	-5.83	42.85
Phoenix, AZ	CO	Maintenance	100	-	4.62	9.56	64.08
Phoenix, AZ	PM ₁₀	Serious	70	-	4.74	9.80	65.71
Phoenix-Mesa, AZ	Ozone	Former Subpart 1	50	-	4.75	9.83	65.87
Pierce County, WA	PM ₁₀	Maintenance	100	-	0.01	0.01	0.09
Pinehurst, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Pittsburgh, PA	CO	Maintenance	100	-	0.02	0.05	0.32
Pittsburgh-Beaver Valley, PA	Ozone	Former Subpart 1	50	-	1.32	2.73	18.27
Pittsburgh-Beaver Valley, PA	PM _{2.5}	Nonattainment	100	-	1.20	2.49	16.68
Polk County, TN	SO _x	Maintenance	100	-	0.01	0.03	0.20
Polson, MT	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Portland, ME	Ozone	Maintenance	100	-	0.40	0.82	5.52

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Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Portland, OR	CO	Maintenance	100	-	0.60	1.41	10.82
Portneuf Valley, ID	PM ₁₀	Maintenance	100	-	0.03	0.06	0.40
Poughkeepsie, NY	Ozone	Moderate	50	-	1.13	2.34	15.69
Presque Isle, ME	PM ₁₀	Maintenance	100	-	0.01	0.01	0.08
Providence (entire State), RI	Ozone	Moderate	50	-	0.73	1.50	10.07
Provo, UT	CO	Maintenance	100	-	0.14	0.28	1.87
Raleigh-Durham, NC	CO	Maintenance	100	-	1.05	2.17	14.52
Raleigh-Durham-Chapel Hill, NC	Ozone	Maintenance	100	-	1.42	2.94	19.68
Ramsey County, MN	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Reading, PA	Ozone	Maintenance	100	-	0.23	0.48	3.19
Reading, PA	PM _{2.5}	Nonattainment	100	-	0.23	0.48	3.19
Reno, NV	CO	Maintenance	100	-	0.17	0.36	2.41
Rhineland (Oneida County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.01
Richmond-Petersburg, VA	Ozone	Maintenance	100	-	0.86	1.78	11.91
Rillito, AZ	PM ₁₀	Moderate	100	-	0.04	0.09	0.60
Riverside County (Coachella Valley), CA	Ozone	Severe	25	-	0.59	1.23	8.22
Roanoke, VA	Ozone	Former Subpart 1	50	-	0.17	0.36	2.40
Rochester (Olmsted County), MN	SO _x	Maintenance	100	-	0.06	0.12	0.83
Rochester, NY	Ozone	Former Subpart 1	50	-	0.93	1.92	12.88
Rocky Mount, NC	Ozone	Maintenance	100	-	0.12	0.25	1.69
Rome, GA	PM _{2.5}	Nonattainment	100	-	0.08	0.17	1.13
Ronan, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Rothschild, Rib Mountain, Weston (Marathon County), WI	SO _x	Maintenance	100	-	0.00	0.00	0.02
Sacramento County, CA	PM ₁₀	Moderate	100	-	1.33	2.76	18.49
Sacramento Metro, CA	Ozone	Severe	25	-	2.47	5.12	34.30
Sacramento, CA	CO	Maintenance	100	-	1.50	3.10	20.81
Salem, OR	CO	Maintenance	100	-	0.09	0.18	1.23
Salt Lake City, UT	CO	Maintenance	100	-	0.08	0.23	2.09

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Table B.1-264
Emission Changes^a by Nonattainment Area with Alternative Standards for Light-Duty Vehicles - Analysis C2
Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Salt Lake County, UT	PM ₁₀	Moderate	100	-	0.68	1.48	10.49
Salt Lake County, UT	SO _x	Nonattainment	100	-	0.77	1.58	10.62
San Antonio, TX	Ozone	Former Subpart 1	50	-	1.42	2.94	19.67
San Bernardino County, CA	PM ₁₀	Moderate	100	-	0.33	0.69	4.63
San Diego, CA	CO	Maintenance	100	-	3.57	7.38	49.49
San Diego, CA	Ozone	Former Subpart 1	50	-	3.58	7.40	49.58
San Francisco Bay Area, CA	Ozone	Marginal	50	-	-10.06	-8.38	46.44
San Francisco-Oakland-San Jose, CA	CO	Maintenance	100	-	-9.44	-7.09	55.09
San Joaquin Valley, CA	Ozone	Extreme	10	-	3.56	7.72	54.63
San Joaquin Valley, CA	PM ₁₀	Maintenance	100	-	3.57	7.74	54.75
San Joaquin Valley, CA	PM _{2.5}	Nonattainment	100	-	3.56	7.72	54.63
San Manuel (Pinal County), AZ	SO _x	Maintenance	100	-	0.03	0.06	0.39
Sanders County (part);Thompson Falls and vicinity, MT	PM ₁₀	Moderate	100	-	0.00	0.00	0.01
Scranton-Wilkes Barre, PA	Ozone	Maintenance	100	-	0.46	0.96	6.44
Seattle-Tacoma, WA	CO	Maintenance	100	-	1.75	4.07	31.08
Sheboygan, WI	Ozone	Moderate	50	-	0.09	0.18	1.22
Sheridan, WY	PM ₁₀	Moderate	100	-	0.01	0.03	0.20
Shoshone County, ID	PM ₁₀	Moderate	100	-	0.00	0.00	0.00
Somerville, NJ	CO	Maintenance	100	-	0.01	0.03	0.18
South Bend-Elkhart, IN	Ozone	Maintenance	100	-	0.31	0.65	4.36
Southeast Chicago, IL	PM ₁₀	Maintenance	100	-	0.08	0.17	1.16
Spokane County, WA	PM ₁₀	Maintenance	100	-	0.23	0.47	3.15
Spokane, WA	CO	Maintenance	100	-	0.22	0.46	3.11
Springfield (western MA), MA	Ozone	Moderate	50	-	0.62	1.28	8.60
Springfield, MA	CO	Maintenance	100	-	0.11	0.23	1.51
St. Louis, MO	CO	Maintenance	100	-	0.51	1.06	7.12
St. Louis, MO-IL	Ozone	Moderate	50	-	1.93	4.00	26.78
St. Louis, MO-IL	PM _{2.5}	Nonattainment	100	-	1.92	3.97	26.60

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Table B.1-264
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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
State College, PA	Ozone	Maintenance	100	-	0.13	0.27	1.84
Steamboat Springs, CO	PM ₁₀	Maintenance	100	-	0.02	0.04	0.24
Steubenville & Mingo Junction, OH	SO _x	Maintenance	100	-	0.03	0.05	0.35
Steubenville-Weirton, OH-WV	Ozone	Maintenance	100	-	0.06	0.12	0.79
Steubenville-Weirton, OH-WV	PM _{2.5}	Nonattainment	100	-	0.06	0.12	0.79
Stockton, CA	CO	Maintenance	100	-	0.42	0.87	5.86
Sutter County (Sutter Buttes), CA	Ozone	Former Subpart 1	50	-	0.00	0.00	0.00
Syracuse, NY	CO	Maintenance	100	-	0.34	0.70	4.67
Telluride, CO	PM ₁₀	Maintenance	100	-	0.00	0.00	0.02
Terre Haute, IN	Ozone	Maintenance	100	-	0.08	0.16	1.07
Tioga County, PA	Ozone	Maintenance	100	-	0.03	0.07	0.48
Toledo, OH	Ozone	Maintenance	100	-	0.36	0.74	4.95
Toms River, NJ	CO	Maintenance	100	-	0.08	0.17	1.17
Tooele County, UT	SO _x	Nonattainment	100	-	0.08	0.16	1.04
Trenton, NJ	CO	Maintenance	100	-	0.06	0.13	0.89
Trona, CA	PM ₁₀	Moderate	100	-	0.00	0.01	0.04
Tucson, AZ	CO	Maintenance	100	-	0.79	1.63	10.96
Utah County, UT	PM ₁₀	Moderate	100	-	0.39	0.80	5.35
Vancouver, WA	CO	Maintenance	100	-	0.26	0.54	3.65
Ventura County, CA	Ozone	Serious	50	-	0.73	1.51	10.13
Vermillion County, IN	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Vigo County, IN	SO _x	Maintenance	100	-	0.08	0.16	1.07
Wallula, WA	PM ₁₀	Maintenance	100	-	0.00	0.00	0.00
Waltham, MA	CO	Maintenance	100	-	0.04	0.08	0.54
Warren County, NJ	SO _x	Maintenance	100	-	0.03	0.05	0.36
Warren County, PA	SO _x	Nonattainment	100	-	0.01	0.02	0.12
Washington County (Hagerstown), MD	Ozone	Former Subpart 1	50	-	0.15	0.30	2.01
Washington, DC-MD-VA	CO	Maintenance	100	-	1.18	2.44	16.33

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Table B.1-264
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Formaldehyde 2060

Nonattainment Area	Pollutant	Status ^b	General Conformity Threshold ^c	Emissions Reductions for Proposed Alternatives (tons/year)			
				Alt. 1	Alt. 2	Alt. 3	Alt. 4
				No Action	2%/year Cars and Trucks	Preferred	7%/year Cars and Trucks
Washington, DC-MD-VA	Ozone	Moderate	50	-	4.22	8.73	58.53
Washington, DC-MD-VA	PM _{2.5}	Nonattainment	100	-	4.12	8.53	57.17
Washoe County, NV	PM ₁₀	Serious	70	-	0.17	0.36	2.41
Waterford Township (Washington County), OH	SO _x	Maintenance	100	-	0.00	0.01	0.04
Wayne County, IN	SO _x	Maintenance	100	-	0.04	0.08	0.57
Wayne County, MI	PM ₁₀	Maintenance	100	-	0.09	0.18	1.21
Weirton, WV	PM ₁₀	Maintenance	100	-	0.00	0.01	0.06
Weirton, WV	SO _x	Maintenance	100	-	0.01	0.01	0.08
Wheeling, WV-OH	Ozone	Maintenance	100	-	0.09	0.18	1.19
Wheeling, WV-OH	PM _{2.5}	Nonattainment	100	-	0.09	0.18	1.19
Winston-Salem, NC	CO	Maintenance	100	-	0.30	0.61	4.10
Worcester, MA	CO	Maintenance	100	-	0.18	0.36	2.44
Yakima County, WA	PM ₁₀	Maintenance	100	-	0.07	0.14	0.94
Yakima, WA	CO	Maintenance	100	-	0.03	0.07	0.46
York, PA	Ozone	Maintenance	100	-	0.33	0.69	4.64
York, PA	PM _{2.5}	Nonattainment	100	-	0.26	0.54	3.59
Youngstown-Warren-Sharon, OH-PA	Ozone	Maintenance	100	-	0.39	0.80	5.35
Yuma, AZ	PM ₁₀	Moderate	100	-	0.15	0.32	2.13

a. Reductions are shown as positive values. Negative values are emission increases. Values of less than 0.005 tons/year are rounded to zero.

b. Pollutants for which the area is designated nonattainment or maintenance as of 2008. N = Nonattainment. M = Maintenance. Source: 40 CFR 81.

c. Emissions thresholds in tons/year. In ozone NAAs the thresholds given are for the precursor pollutants VOC or NO_x; in PM_{2.5} NAAs the thresholds represent primary PM_{2.5}. Source: 40 CFR 51.853. These thresholds are provided for information only; a general conformity determination is not required for the Proposed Action. Source: EPA 2008.